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An original DAVI HOK NewsPrint FREE

in tomorrow's Independent



Inquiry into how public lost £300m on gravy train

ny sold for £300m profit months after it was bought from the Government is being investigated by the National Audit Office.

The disclosure will bring more embarrassment to ministers; there have been repeated allegations of busioesses making a killing oo former nationalised companies which have been sold off cheaply.

The public-finance watchdog is looking into the sale of Porterbrook Leasing as part of a wider investigation into the privatisation of all three former British Rail rollingstock companies. Labour has claimed that their sale by the De-partment of Transport allowed tax-

payers to be "ripped off,"
Porterbrook was bought by its management for £527m in January last year and was sold to Stagecoach seven months later for £825m. The sale netted £36m profit for the company's managing director, Sandy Anderson, a former British Rail terminal manager. In total, he and three other managers made £70m, while the remaining 44 staff each

made an average profit of £390,000. The National Audit Office (NAO) report, expected in spring, is likely to call into question the amounts raised not just from Porterbrook but the sale of the two other rolling-stock companies, Angel Train Contracts and Eversholt Leasing.

A NAO spokeswoman confirmed it was preparing a report into the sale of the three companies but refused to comment on likely conclusions or the timing of its publication. The reBy Michael Harrison

port is expected to include a separate section on the sale of Porterbrook. The original purchase of Porterbrook was funded with £75m equity and £352m debt. Stagecoach paid £475m for the equity and inected £350m of debt.

This meant the Porterbrook management and their City backers, led by the investment bank Charterhouse Development Capital, netted £400m profit on their shares.

The management and employees had 20 per ceot of the equity, realising £80m and City institutions made £320m. Apart from Mr An-

State assets that went cheap

Rover sold to British Aerospace for £150m and then bought by BMW for £800m, Deal criticised by

Royal Ordnance sold to British Aerospace for £190m. Deal criticised by NAO. ■ Sale of the first three rail fran-

chises. Government criticised for ignoring its own franchise director's advice to include a 'profit claw-back' provision in the sale

Sale of Property Services Agency three years ago for £11.4m to a business consortium, which then resold the company at a profit of £70m. More than £30m of this was shared by three individuals.

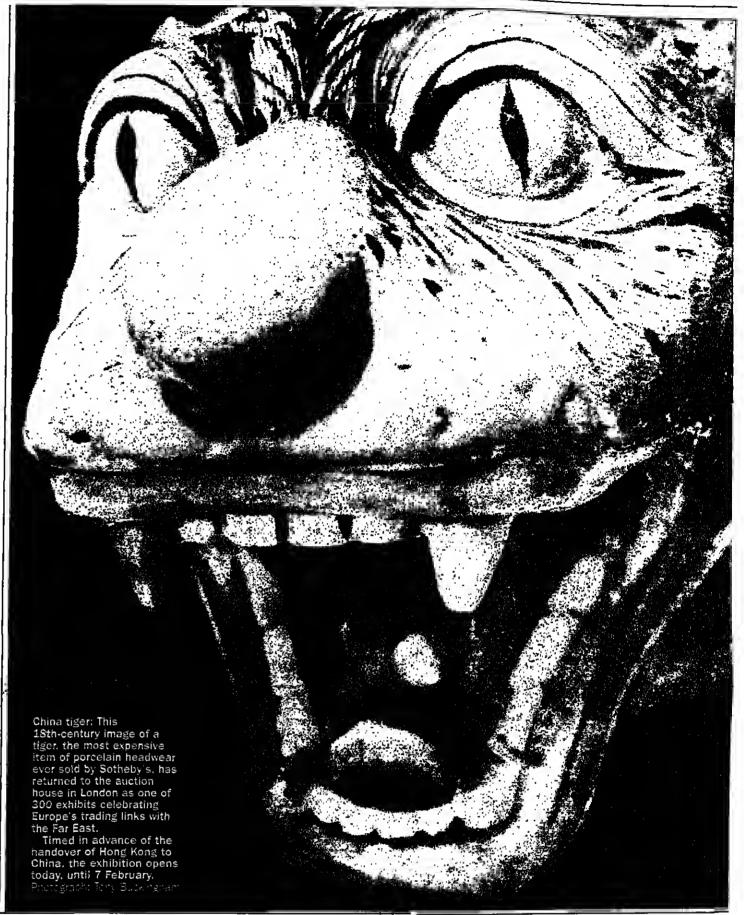
derson, the other big gainers were Porterbrook's finance director, Ray Cork, who made £17m, engineering director Tim Gilbert, who netted £11m and chairman Peter Watson, whose shareholding was worth
£4.75m. Mr Watson is also chief executive of another recently privatised
company, AEA Technology.
The Porterbrook sale to Stagecoach has cast doubt on whether the

coach has cast doubt on whether the other two companies were also sold too cheaply. Eversholt Leasing was sold for £550m to a management and employee buy-out. The consortium paid £70m for the equity, with 15 per cent of the shares going to managers and staff.

The third company, Angel Train Contracts, was sold for £700m to a consortium led by the Japanese investment bank Nomura, supported by John Prideaux, a former BR executive who once ran InterCity. Nomura has made no secret of its desire to sell Angel or merge it with a train-operating company like.
 Stagecoach.

Eversholt Leasing is also a po-tential bid target, in which case its 60 employees, led by the former Hanson executive Peter Harper, will be sitting on multi-million bonanzas.

In a report last October on the sale of the first three passenger rail franchises - Great Western Trains, the London-Tilbury-Southend Line and South West Trains - the NAO criticised the Government for ignoring the advice of its own franchising director and failing to include clawback provisions so that taxpayers could share in abnormally high profits.



Major takes a lesson from US President in hunt for image

Political Correspondent

John Major is to hold a series of American-style "presidential" hriefings in the run-up to the general election in an attempt to gain an advantage over Tony

As fresh crises hit the Conservative Party in the form of a new sex scandal and another dismal opinion poll, the Prime Minister promised to give onthe-record press conferences which will win him valuable media coverage. He has not held a gathering of this sort since June 1995 when be resigned the party leadership at a press con-ference in the Downing Street

lieve the plan will give Mr Ma-

jor an extra air of authority of the kind to which United States

presidents aspire.
They also think it will put the Labour leader on the defensive. If he does not respond in kind the Conservatives can claim he bas something to hide, and if he does they hope he will look slip-pery as he fails to put flesh on

The initiative, which will begin with a press conference at Conservative Central Office this week, will follow the launch tomorrow of a new multi-million pound poster campaign with the message that a Labour government would end in tears.

election had been announced and that he was "keeping an Government strategists beopeo mind" on a televised de-



John Majnr: US-style briefing

bate with Mr Blair. "I hope that I can get directly through to the Mr Major said he would hold public without having my views daily press conferences once the enshrined in someone else's

'friends of John Major say' they can discount it. The media will have the opportunity of asking me directly and I will tell them directly." he said.

A Labour spokesman said the Tories' new initiative held no terrors for the party. Mr Blair had held hundreds of press conferences at the party's Millbank media centre and would continue to do so.

"What the Tories are running away from is a TV debate. Name the date and name the place and we will be there," he said.

There was more bad news for Mr Major yesterday as a Gallup poll revealed that voters now believe that taxes are as likely to go up under the Conservatives as under Labour.

"So in future if people read terday, the Prime Minister said commitment to family values.

would go up if there was a Labour government. He also claimed he was not going to run a personalised "smear" campaign against Mr Blair. Asked about reports that Labour and the Liheral Democrats had made progress in talks about joint constitutional reforms, Mr

Major said it was a "profound-

ly dangerous" development. He refused to comment on reports that a Conservative backbench MP, Jerry Hayes, had a gay relationship with an 18year-old researcher. Mr Hayes yesterday denied that the relanonship, in the early 1990s, was sexual and said he was consulting his solicitor. The allegations come just days after the In a television interview yes- Prime Minister emphasised his

Battle to save shark The Isle of Man has attacked the Government over its refusal to protect the UK's higgest fish, the basking shark. Page 7

Lava lamp larceny Lock up your lava lamps - 60s and 70s "junk" has become the latest criminal collectible, according to police.

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The future is here – in your armchair



Sitting at home feeling peckish? Don't bother opening the refrigerator, simply fax your local home-shopping service and the night's meal will soon be at your door. Worried about your burgeoning overdraft? Just pick up the phone and arrange an extension. Fancy the new Spice

Nigel Cope

Girls CD or John Grisham thriller? Don't bother leaving the house if you don't want to. simply punch in a few keys on your home PC, with its free Internet access, sit back and wait for the goodies to be delivered. This may sound like an image of the future but, according

to a oumber of developments reported in the Independent today, they could soon become commonplace.

And not just for a handful of techno-oerds but for everybody - a home-shopping service which supplies groceries pro-vided by Sainsbury's is raising £2m to expand its services across London. Also, a survey from Datamonitor predicts that a third of the UK population will conduct their banking af-

fairs by telephone by 2001. BT is considering offering free local calls in exchange for higher line-rental charges in a move which could lead to a huge increase in Internet usage.

Inside

Telephone banking revolution. Home shopping boom

Free calls plan. Page 16 Leading article. Page 11 The decision would remove

which have been a major stumbling-block to Internet usage in this country. The developments form part of an armchair revolution which

fears of big telephone bills,

in the provision of home-delivered products and services.

Internet shopping is already more popular here than in any other country outside the United States.

Tesco and Sainsbury's are testing home-delivery services and an announcement from Safeway is expected soon.

In telephone banking, First Direct is to open a new call centre in Glasgow to cope with increased demand. Other banks such as Barclays and Citibank are promoting their tele-banking services heavily

Not that we will all become bug-eyed couch potatoes who and Mrs Average." could see Britain lead the way

never venture out of the house. The new technology will simply enable us to cut out the chores and spend more time doing the

things we enjoy. Flanagan's, which has beeo operating its Supermarket Direct Service in South London since 1995, says its 5,000 customers are not all high-earning.

dual-income yuppies. Most are ordinary families prepared to pay a small charge to avoid the grind of the Saturday morning grocery run.
"It's not an exclusive, expensive service for the rich," Adrian Flanagan said. "We are a common transformed into a nation of or garden supermarket for Mr

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significant shorts

Britain forced to pay £49m EU fine

Michael Streeter

The Government faces paying millions of pounds in penalty "fines" to the European Commission because cutbacks in Ministry of Agriculture staffing levels led to late payment of farming subsidies, it was claimed yesterday.

Last year, in a little-publicised move, Britain had to pay back up to £49m to the EU for failing to meet tough guidelines on subsidy payments to British farmers, according to civil servants within the department.

Further cutbacks, coupled with the resources diverted to the BSE scandal, mean that the Government will have to make similar "disallowance" payments in the Spring, civil service unions are claiming. Such "fines" would prove an

embarrassment for John Major in the run-up to the general election as he tries to reconcile his party's Eurosceptic and

Europhile wings.
According to the ministry's own statements, the Government failed to meet the EU's "exacting standards" to pay

more than 95 per cent of setaside and other crop payments to farmers for the year ending 1995. Instead, only 83 per cent of payments were made by the

A ministry document reads: "Due, however, to the burden of validating claims to the exacting standards required under EC rules which proved to be greater than anticipated, only 83 per cent of main payments on set-aside and other eligible crops were paid by 31 December (1995). compared with the EC requirement of 96.14 per cent."

Its annual report confirms a ministry's regional service cen-about the cutbacks - said the confirms a tres which administer the pay-ministry had turned economics shortfall between EU payments and the cost of the scheme at

The total cost of administering the subsidies - totalling £1.3hn - is a little over £6m. Normally the cost of the subsidies is met by the European Commission, but where there is a penalty this comes directly from the national government

Civil service unions say the delays and subsequent pay-ments were "directly attributable" to staffing problems in the ments to farmers.

They point to a 10 per cent cut in staffing levels in the current year plus a projected 7 per cent reduction in "baseline" running costs in the next financial year, confirmed to them by the ministry's Permanent cretary Richard Packer.

David Luxton, an official of the Institution of Professionals. Managers and Specialists - one of the four unions that recently met the Minister of Agriculture, Douglas Hogg, to complain

ministry had turned economics on its head.

He said: "There is now no relationship between these socalled efficiency cuts and short-sighted and counter-productive. Earlier this year Maff was 'fined' a total of £49m by the European Commission for delays in payment to farmers of arable crop subsidies."

Last night a ministry spokesman confirmed there had been penalty payments but said the figure was nearer £17m.

Hume's call to Sinn Fein The Ulster Unionist leader

David Trimble yesterday dismissed any election threat for his party after the SDLP leader John Hume set out the conditions under which he would consider a pact with injured during the shooting in Clapton, east London,

Mr Hume suggested a pre-election pact made sense and said he believed seven seats could be won by nationalists, reducing the unionists to seven or eight MPs.

Mr Trimble insisted a pact would have no effect on his party's representation. "I don't believe any Ulster Unionist seat is at risk," he said. "I would have thought it was in the interests of the SDLP for it to draw a clearer Professor rides distinction between itself and Sinn Fein/IRA."

Mr Hume said he would consider a pre-election pact if A professor of psychology is there was a "complete end to violence" by the IRA. spending time in railway engine cabs in n £154,000

Research offers hope on strokes

Scientists have identified a chemical which helps hrain cells to "commit suicide" after a stroke. The discovery could lead to new ways reducing death and disability.

Recently it has been established that only part of the damage that follows a stroke is directly caused by it. Many cells are killed in a kind of auto-destruct process by toxic substances released by the hrain.

Researchers at Manchester University, funded by the charity Research into Ageing. have identified a chemical called interleukin-l (IL-1), which plays an important part in the mechanism.

Professor Nancy Rothwell said: "Blocking the action of IL-1 dramatically reduces

Whitewash on cable hazard

An electricity company has. been accused of a "whitewash" over the cases of Radio 4's Breakaway at least 20 staff who claim that they are suffering hreathing illnesses caused by a cyanide compound they use. The Scottish Power workers want a ban on isocyanates, which used in street cahling work across

Some of the workers are lodging claims for compensation against Scottish Power after developing asthma, bronchial

and respiratory problems. The company helieves that there is no evidence to support the men's claims and that the levels involved are well below recommended safety limits.

Unionists mock Police question man after club killing

A man was questioned by police last night over a double shooting at a crowded rave in which a 16-year-old student died.

An 18-year-old woman early on Sunday morning was taken to hospital. Her injuries were not serious. The dead youth came from the Forest Gate area of east London. Neither victim has

heen named. The arrested man, in his 20s, was released on police hail and detectives are hunting a second suspect

for safety

safety project Professor John Davies of the University of Strathclyde is looking at the way human errors can lead to disasters. The research involves a scheme introduced by ScotRail called Ciras - the Confidential Incident Reporting and Analysis

The scheme is hacked and financially supported not only by Railtrack hut by other bodies including Railtrack, the Health and Safety Executive and rail unious Aslef and the RMT.

Its main objective is to encourage drivers to report incidents which they may not draw attention to through the standard reporting systems already in place, either from a feeling of pointlessness or through fear of self-

Broadcaster sent on her way

The travel broadcaster Anne Gregg has been axed by the BBC, for the second time in six years. The corporation said that the contract of the presenter of .. programme had come to an

There were more than 1,000 complaints when she was forced into resigning from the BBC TV Holiday programme in 1991.

The corporation said that it had only received one complaint yesterday after a newspaper reported that her latest contract had ended.

Coaches back

Coach traffic will be allowed hack on Le Shuttle tourist trains from today, following the blaze on a train in November.

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NEWSPAPERS SUPPORT RECYCLING Recycled paper made up 41.2% of the raw material for UK newspapers in the first half of 1995

NHS chaos as cash crisis bites

Liz Hunt Health Editor

Scores of hospitals across the country have closed heds, banned routine surgery, and are accepting 999 cases only, as pre-Christmas predictions by the British Medical Association of an emergency-only service this winter appear to be fulfilled.

Cold weather, a high incidence of flu-like illnesses, staff shortages and an unprecedented cash crisis have pushed the health service to the hrink of collapse, according to doctors, nurses and hospital and health

authority managers.
They say patients are already suffering. A 70-year-old man with liver failure died after being transferred 90 miles when hospitals in the Midlands were unable to find a bed for him.

In another case, a 20-monthold girl was taken 120 miles to Edinburgh after doctors failed to find an intensive-care bed for her in Sunderland, Newcastle upon Tyne, or Middlesbrough. Dr Keith Little, head of the casualty unit at the Royal Edinburgh Hospital, said: "The whole acute hospital service is stretched

beyond its capacity to cope." The Royal College of Nursing accused health chiefs of igincrease in emergency winter admissions. Recent appeals by hospitals for relief staff to cover nurses who are ill with flu were "entirely predictable" examples of poor planning by

health trusts, the RCN said. In addition, new figures from the Department of Health show that health authorities in England are facing their largest-ever deficit of around £150m by the end of the financial year in March 1997 - £30m more than

the previous forecast in June. Hugh Bayley, the Labour MP for York who obtained the figures, accused the Government of allowing health authorities to overspend in a hid to hide cutbacks in services and beds until after the election.

Philip Hunt, director of the National Association of Health Authorities and Trusts, confirmed that the shortfall would have to be made good from the extra £1.2bn allocated for NHS

growth next year. Dr Sandy Macara, chairman of the BMA council, said the situation bore out its earlier warnings: "When we first made these predictions in October we were accused of being alarmist. But we knew from our members what was happening."



Lib-Lab talks on constitutional reform may end in deadlock

Fran Abrams

Labour and the Liberal Democrats are noring its warnings about an | to hold talks this month aimed at striking a deal on proportional representation, it emerged last night. But the issue could lead to the hreakdown of a proposed deal being struck by the two par-

ties on constitutional reform. Both parties would like to announce before the general election that they will work together to reform the both the House of Lords and the Commons, and to pass a Bill of Rights and a Freedom of Information Act.

However, the Liberal Democrats have issued demands on voting reform which Tony Blair is unlikely to meet. They want him to campaign for pro-portional representation in Westminster elections, but the Labour leader remains "not persuaded" by the arguments for it, according to party sources.



Tears for fears: The new Tory poster offensive launched this week

terday that any agreement had yet been reache, the Prime Minister described the mean less choice for voters. prospect of a deal as "dangerous". He predicted that the co-operation

As both opposition parties denied yes- ing system and to a Scottish parliament. and claimed that such moves would

"Those will be the points of greatest interest and I suspect that's the agenda

gramme as a whole then we would not would soon extend to changes in the vot- they're really turning to. Now I believe envisage there being an agreement." How to create that presidential style

Rupert Cornwell Washington

If the American experience is anything to go by, John Major may soon come to realise that formal televised press confer-ences are not what they used to be - if they ever were in the first place.

The practice that is commouly but mistakenly held to be

central to the relationship between executive power and public opinion in the US, arguably was most influential in its early days under President Kennedy, whose his consistently high ap-proval ratings owed much to his wit and grace before the assembled White House press.

occasion, but Bill Clinton -

- held barely half a dozen press conferences in his entire first

In truth, however, it hardly matters - a fact acknowledged in April 1995 when two of the three hig networks. NBC and Thereafter, each president ABC, for the first time refused has given his own flavour to the occasion, but Bill Clinton – to air a prime-time Clinton news conference. CBS did, and

more suspicious of the press than any president since Nixon any president since Nixon balf the 15.8 registered by ABC's

Such is the price of a less fraught world. Now that the Cold War is over, humanity does not hang on every word from the man with his finger on the nuclear hutton. Today, a truly important presidential announcement comes in a 10-15 minute address from the Oval

Office, not at a rambling, scattershot press conference that can last an hnur.

that is profoundly dangerous," he said.

Proportional representation would lead

to "cosy agreements between the polit-

ical classes," he said, while voters in Scot-

land would press for independence hut

Both Labour and Liberal Democrat

politicians emphasised yesterday that

there was no deal yet. Gordon Brown,

the shadow Chancellor, said on BBC ra-

dio that Labour was committed to a ref-

erendum on PR but had yet to decide

The Liberal Democrats, meanwhile,

were insisting that Tony Blair's support

for PR must be part of any deal between

them. Rohert Maclennan, Liberal De-

mocrat president and joint chairman of

the talks with Labour's Robin Cook, told

The Independent that the talks had been

constructive but were not complete: "Un-

less we can reach agreement on the pro-

what line to take.

And if he does want to reach the people, then Larry King, Oprah Winfrey and the electronic town hall are also now to hand. In 10 months before the 1996 election, Mr Clinton gave just two set-piece press conferences - but his coverage suffered not n whit because of it.

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Chess Correspondent

It's a terrible burden being an ex-world champion at the age of nine, but Luke McShane, who celebrates his 13th birthday tomorrow. seems to have got over it.

king

Luke is the latest model - and perhaps the best - to come off the production line of British chess prodigies. When he was eight years old, less than three years after being taught the rules of the game by his grandfather, Luke won the world under-10 championship in Duisburg, Germany, despite being the youngest of the 45 contestants.

At age 10, he became the youngest player to draw with a grandmaster in an international tournament; a couple of months later, he was the youngest to defeat an international master - a lower form of life than a grandmaster, but a far greater achievement than the draw. At 11, he became the youngest to beat a grandmaster, and he has beat grandmasters several times since.

For the past week and a half, Luke has been in action in the Challengers Tournament at Hastings. Yesterday, when the last round began, he needed one final win to move an important step closer to becoming an international master himself.

The titles of "master" and "grandmaster" are awarded by the International Chess Federation according to a precise formula qualifying results - or "norms" - are needed before a player is awarded the title. Last month, in the Caledonian Masters tournament in Edinburgh, Luke became the youngest British player ever to secure an international master norm.

So far, so good. But Britain has always been good at producing chess prodigies who do not quite win the world championship. Does Luke have the capacity to eclipse Nigel Short, who three years ago reached the dizzy heights of a world title match only to be shot down in flames by Garry Kasparov?

There is little doubt that he has the natural ability. Away from chess, he looks and behaves like any other 12-year-old: shy of in total concentration until the problem is strangers, monosyllabic in conversation, playful with children of his own age, likes to watch Jim Davidson's Big Break on television while doing his homework:

At the chess board, however, a transformation occurs. When most child chess players reach a position in which no obvious move suggests itself, you can see their eyes darting around the board in uncertain fashion. After a few minutes they lose concentration and pick a move almost at random.

Luke is different. He recognises the critical moments in any game, then, with his el-bows anchored to the table, holds his head between his hands and stares at the board master at 15. Then came another Hun- There is the important question of

Tony Miles, 41, won the World

Junior Championship in 1974 and went on to become Britain's first grandmaster two years later. Some outstanding successes in international tournaments in the late Seventies and early Eighties had him frequently touted – in the British press at least - as a possible world-title contender. Yet despite two wins against the reigning world champion, Anatoly Karpov, Miles never really established himself among the world's top ten.

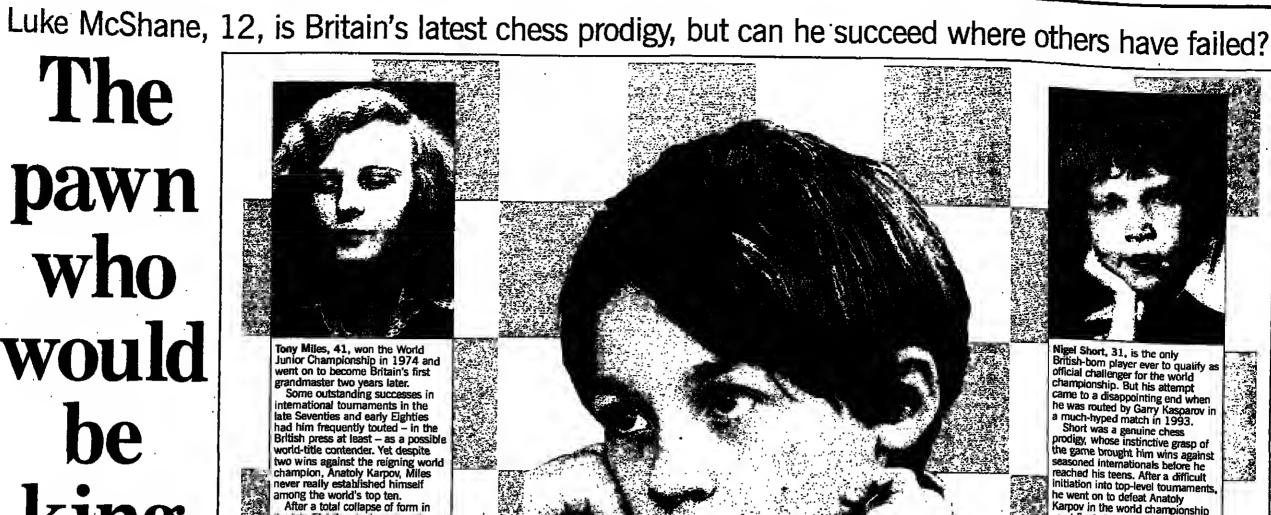
After a total collapse of form in regained lost ground, but still ranks well outside the world's top 100 players. Miles was, however, the man who proved to his British colleagues that the world's top players could be beaten.



years beating Nigel Short's British records for precociousness. British champion and grandmaster at 17, worldchampionship candidate at 21, he was, throughout his teens, the strongest player of his age in the world, with a ruthless ability to hustle even the top players to crushing defeats. However, his disastrous loss to Viswanathan Anand in a world-title eliminator in 1994 exposed a lack of technique

at the very highest level. Adams is now ranked 15th in the world, after apparently securing a place among the world's top ten a couple of years ago.





Karpov in the world championship semi-finals in 1992. But when it came to the title match against Kasparov, Short seemed stage-struck. After this defeat, Short's career went into decline, but picked up again with some fine toumament victories in 1996. He is currently ranked ninth in the world.



Jonathan Speelman, 40, sprang to fame in 1988 when he reached the semi-final stage of the world championship eliminators.

A player of great imagination and originality, he had seemed to lack the competitive instinct to succeed at the highest level, but a year of up to fifth place in the world

rankings.
Speelman's capacity for producing brilliant ideas in his game was the match of any other player's, but he had one outstanding delect, he left sorty for his opponents when he beat them. He is now ranked 51st in the world.

When he drew with a grandmaster and beat a master at the age of 10, those games lasted six and five hours respectively. Play-ing an abstract game such as chess for such long periods requires a trance-like state that will permit no distraction. In a 10-year-old it is quite phenomenal, particularly in a child who has not specifically been bred to be a

chess player.

For this is the age of hot-housed minimasters. We saw it first with the three Polgar sisters in Hungary, most particularly the youngest of them, Judit Polgar, who became an international master at 11 and a grand-

garian, Peter Leko, a grandmaster at 13. Both had been taught chess as soon as they were out of nappies, and specialised in it from the age of four. But the advances of both Polgar and Leko have slowed recently.
The long-term advantages of chess hothousing may not live up to their early promise. That is what Luke must hope, any. way/for, apart from the little matter of a £12,000 sponsorship from Psion computers last year, he has had no more particular concentration on chess at the expense

of other branches of his education. A great chess player, like great champions in any other sporting activity, needs more than talent - natural or otherwise.

temperament, and a solid grounding in technique is also necessary to conquer the highest peaks. The Russians knew how to nurture their prodigies.

When Anatoly Karpov and Garry Kasparov were playing like masters at the age of 12, they were spirited away from international competition and placed under the wing of a wise old teacher. By the time they were 15, they emerged with the highest pro-fessional standards of technically proficiency and the emotional toughness of old boots.

Previous British chess prodigies have often suffered from a spirit of gung-ho amateurism. Tony Miles, our first grand-master, relied too much on originality to throw his opponents off balance. At the very

highest level, it simply wasn't enough. Short acquired excellent technique after early While he is probably the best 12-yearsetbacks, but seemed to lose confidence

again when approaching the final hurdle. The British way, sadly, has always been to throw our prodigies in at the deep end, letting them get used to being defeated and leaving them to pick up the pieces. But one of the things you learn from too many losses is how to lose. And that's a talent Kasparov and Karpov were never given an

opportunity to acquire. As long as Luke is kept away from the big fish until he is ready for them, he could do very well indeed, for there are few players of his age who are anywhere near as strong. His international rating places

While he is probably the best 12-yearold in the world today, he may, however, find himself demoted to third-best 13-year old tomorrow. For his great rival, Étienne Bacrot of France, has already secured the international master title, as well as defeating the former world champion Vassily Smyslov in a six-game match; and the 13-year-old Ukrainian Ruslan Ponomaryov has acquired a rating that most grandmasters would envy.

Luke has one advantage, however: he does not seem to take chess too seriously. Who knows how good he might become if he puts his mind to it?

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Twelfth night, the nation goes back to work and the season for recycling the remnants of Christmas begins

Slow thaw ends coldest period for 34 years

Joanna Snicker

Millions of people trudge back to work today after two weeks of fun. festivity and the biggest freeze for over 30 years. Rather appropriately then, the longawaited thaw slowly eased its way across Britain yesterday.

After one of the coldest winter spell since 1963 for some areas, with 16 deaths in two weeks, the expected rise in temperature to above freezing in many parts of Britain over the next few days will come as a great relief but the thaw is set to bring further

Having got used to the piercing cold and bulky clothes, the nation now bas to contend with the havor of flooded homes and tomers beset by flooding, amid

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£500-4,999

£1-499

£50,000+

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£1-499

£50,000+

businesses as water tanks hurst and pipes melt. Thousands of people had to call out the Fire warnings that some plumbers are cashing in on the thaw.

Kevin Wellman, assistant Brigade vesterday as their homes were swamped with water. In London alone, the fire service took more than 1,500

The London Weather Centre reported that overnight temperatures during the weekend were lowest in Bedfordshire, at minus 2C, up from minus 10C from the night before, in sharp contrast with last year when the temperature in the North-east rose from minus 20C to 2C in

48 hows. Water companies and plumbers also braced themselves for the deluge of calls from cus-

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4.00

3.80

3.44

2.60

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3.00

2.64

1.80

3.00

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6.50

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chief executive of the Institute of Plumbing, advised customers to turn off the mains supply then get a number of quotes before agreeing a price, following reports that some plumbers were charging more than £600 for two hours' minor work.
"As houses begin to suffer

from burst pipes and flooding, dishonest tradesmen will have a field day," he said. Mr Wellman said customers

should check that the plumber is a member of the Institute, which requires members to follow set a set of guidelines in their work.

The Royal Society for the Protection of Birds yesterday urged the public to help save millions of wild birds, who are likely to die because of the cold weather, by putting out food and water for them.

Over the weekend, police found the body of hairdresser Christine Taube, 47, last seen chasing after her dog in snow in the village of Motcombe, near Shaftesbury, in Dorset.

Eyewitnesses told police that Ms Taube climbed out of a taxi and gave chase dressed in just a cardigan, when her pet ran off

The dog returned later but a massive hunt for the missing woman was called off this morning when her body was found. In Sellindge, Kent, a 29-yearold man was found in snow af-

ter he went missing at the end of a night out with a friend. . The victim, who has not been named, was last seen alive when he was dropped off at the top of a lane near his home in freezing cooditions on Friday night.

In Humberside the hody of John Windle, 67, was discovered on the hanks of Holderness Drain, in Hull, fully clothed with. his feet in the water. A postmortem examination revealed that he had died from hypothermia,

And in a fourth incident, a man was found by relatives when he collapsed oo the ice Warwickshire early yesterday



New life from dead Christmas trees

James Cusick

Christmas is over. The annual festival of plenty officially ends tonight, the twelfth night of seasonal excess. Routine is supposed to return, pagan decorations adorning trees are traditionally hiddeo away till oext December. But what of the after-effects of the epidemic of festive consumerism?

With more booze drunk, more items wrapped, more food consumed, the season of more is oow being followed by the season of clearing up. Just as the word Christmas is traditionally put in front of anything for sale in December, the routine recycling of Christmas waste in January is already developing its own traditions.

has its own established Christ- mulch-irrespective of whether mas seasonal recycling tradition.

Following its success last year,

With the Highgate scheme

the Corporation yesterday began shredding the trees that have been worshipped in livingrooms throughout London.

In a while-you-wait service at Highgate Woods, a north London beauty spot, the corporation's woodsmen shred your tree into usable wood mulch. You can take the stuff away and treat your garden to a postfreeze treat or donate your recycled trees to heoefit the forest-floor eco-system of High-

gate Wood itself. Although 'tis now the seasoo to recycle, the seasoo of giving has not been altogether forgotten by the corporation. While not the gold, frankincense or myrrh class of the gifts of the Magi, members of the es during the Christmas public are being allowed "to

the country to deal with the mil-lions of Christmas trees that usually find their way on to council rubhish tips, tree shredding could now become as much a part of Christmas as recycling old Morecambe and

Wise programmes,

The season to recycle also includes cards. Once bought, written, enveloped, sent, opened, and displayed, the creeping tradition is now to recycle. This does not mean scoring out greetings and sending the card to a oew address oext year. Instead, two of Britain's highstreet oames, the Post Office and Boots, are providing collection points oo their premis-

recycling season, which they mail in the four weeks running at the possibility that post-fes- than ever before.

being repeated in other parts of up to 25 December. The tonnage used to find its way into landfill sites. But no longer. Boots and the Post Office have joined with recycling companies to turn them into usable packaging material, with the money raised going to the 12 English

community forests, the Woodlands Trust in Scotland and the British Conservation Trust for Volunteers in Wales and Northern Ireland. And this weekend the bottle banks are bursting as the nations drops its festive empties into the appropriate blue, green or

brown hins, a ritual that is be-

coming as much a part of the

household routine as the su-

permarket trip to buy them in the first place. Wastewatch, the nationwide This year more than two bil- and encourages the growth of lion items were sent through the the recycling industry, is pleased

tive recycling is now emerging as part of the end of the solstice

A spokeswoman from the organisation said: "On radio this weekend we had a programme devoted to the author Fay Weldon taking all her festive rubhish to the Jamestown Road recycling centre in Camden in London,

"This is one of the oldest and more established recycling cen-tres in Britain. It's accessible by public transport and heavily

For Wastewatch it was encouraging to see the idea of fes-tive recycling being ooteworthy.
"The Camden centre now does no more than all the bottle hanks, and paper banks and clothing hanks that we see all Christmas we are now seeing these places being used more

Curzon arrested over £575,000 divorce deal

grandest aristocratic titles faces a High Court grilling today over his failure to pay a £575,000 divorce settlement

The Hon Peter Curzon, eldest son of Lord Scarsdale, will appear before the family division to explain why he has not obeyed the County Court ruling. Mr Curzon, 45, who lives in

Florida, was arrested on Friday while lunching in an Eastbourne restaurant after his ex-wife's so-

licitors won a High Court writ. The writ was granted under the rarely used law of Ne Execu Regno ("shall not leave the realm") to prevent him fleeing the court's jurisdiction again.

Mr Curzon was kept in cusody over the weekend after Mr Justice Wilson decided on Saturday that his "track record" of non-cooperation with the court

The heir to one of Britain's meant there was a real risk he would not appear tomorrow. In June last year, he was ordered by Hastings County Court to pay a lump sum made up of £175,000 for his 13-year-old daughter, Danielle, and Secretary.

£400,000 for his ex-wife, Karen, who live at the former family home of Battlebarn Farm, Sedlescombe, East Sussex. Mr Curzon, whose father. Francis, is the third Viscount, seventh Baron and 11th Baronet Scarsdale, is claiming

he does not have the cash while his ex-wife insists he has substantial assets overseas. The Curzons are one of the grandest aristocratic families in Britain. Their motto runs: "Let Curzon holde what Curzon belde." The family can trace their ancestors back to Robert

de Courson, a Norman noble

who arrived in 1066 with William the Conqueror. One forbear was George Curzon, Viceroy of India and a Foreign

The case is the second time Mr Curzon has been involved in a bitter family dispute over cash. During the 1980s, there was an open feud between him and Lord Scarsdale over the fate of the family seat, Kedlestone Hall, in Derhyshire.

Mr Curzon wanted the prop-erty sold so be could pick up 10 per cent of the proceeds. Instead, his father agreed a scheme with the National Trust under which the trust paid £2.5m to the Inland Revenue. Lord Scarsdale retreated to one Georgian wing of the stately house and allowed the pub-lic to visit the rest. Father and son have not spoken since.

Branson set for hot-air odyssey round the world

The millionaire Richard Branson and two fellow hot-air balloonists were making final preparations last night for their attempt to circumnavigate the

world in 18 days. Branson, 46, Per Lindstrand and Rory McCarthy were told yesterday morning that ground conditions in Morocco were suitable for the launch. The Virgin boss interrupted a holiday in Klosters to go to North Africa. The trio are likely to make their attempt from a military base in Marrakesh to-

morrow or on Wednesday. Last year's attempt was aborted because of bad weather in Morocco.

This week's effort is being dedicated to the memory of Matthew Harding, the vice-chairman of Chelsea Football Club, who died last year in a helicopter crash returning from a

His company, the Benfield Group, is patron of the recordhreaking attempt. The balloon's planned flight path will take it from Morocco over Algeria. Egypt, India, Bangladesh, the South China Sea, Japan, the

USA and back to Britain. Branson and his fellow fliers will encounter varying climates during their proposed 18-day flight, ranging from the heat of North Africa to the harsh winds and hitter chill of the Atlantic

Branson almost came to grief when his catamaran Virgin At-lantic Challenger was holed and wrecked in August 1985 as he attempted to cross the Atlantic in record time.

He and the rest of the crew abandoned the vessel in liferafts and were flown to safety. However, next year he captured the Blue Riband title for the fastest Atlantic crossing when his powerboat Virgin Atlantic Challenger II made the trip in three days, eight hours and 31 minutes. It cut two hours and nine minutes off the record set 34 years previously by the American liner the United States. In 1987 Branson promised to

give up dangerous exploits after the near-fatal end to his first ballooning adventure.

In the Irish Sea, after com-

pleting the first transatlantic crossing, the co-pilot, Lind-strand, jumped into the water when the balloon looked certain

The damaged craft then shot skywards, with Branson waving red underpants to attract the at-

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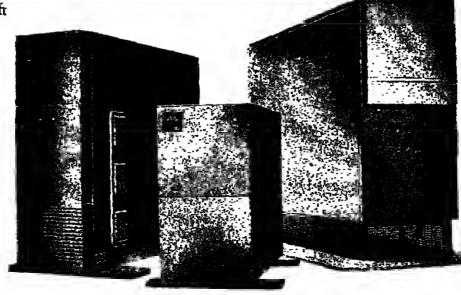
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Criminals home in on the booming new market in antiques: modern British junk

Jojo Moyes

Once it was the Stubbs painting hanging in a stately home that was at risk of the specialised art criminal. Now, apparently, the rest of the nation should consider locking up its lava lamps.

For according to Scouland Yard's Arts and Antiques unit. 60s and 70s "junk" has become the latest criminal collectible. Detective Sergeant Dick El-

lis, head of the Organised Crime Group's three-strong unit, said that where there was a market, a new hreed of "renaissance 'criminals would ensure that there was a supply.

"Things that were about in the 60s and 70s are now saleable. If they're saleable they're collectable and if they have a market price then people will steal them," he said.

Burglars are stealing items that 10 years ago would be considered junk, he added, for the simple reason that someone was prepared to buy it.

Many thieves watched programmes such as the Antiques Roadshow and found that objects which might have been out of vogue a few years ago were now back in fashion and worth a lot of money.

"We have to get away from the misnomer that arts and antiques are something rather rarefied and only found in galleries and museums. Ninety per cent of what is stolen and finds its way onto the art market is stolen from domestic burglaries.

They are going to be ordinary pieces of silver or ordinary pieces of furniture," said Det Sgt

Demand for such contemporary items is reflected in the fact that auction houses have responded by opening specialist departments. According to a spokeswoman for Christies' new Europa Gallery, which opened last September, the auction house is now processing items manufactured as late as the 1980s.

"There's a growing demand for that kind of stuff, all the other houses are doing it now as well. We call the category mod-ern design," she said. "I don't know if we've sold a lava lamp yet but we probably will."

The Arts and Antiques unit

vestigating art crime and managing a database through which stolen items might be returned. Its Bomhlebee Imaging Sys-tem, introduced in 1991, holds details of thousands of stolen artefacts, worth anything be-

tween £50 and £500,000. Often, when Granny's 1950s teapot or Uncle's plastic chair are entered onto the Scotland Yard database and recovered (items are entered according to whether they are identifiable, rather than their monetary value), no one is more surprised than the owners themselves, said Det Sgt Ellis.

"People are quite surprised when the antiques squad take an interest, because they don't themselves regard them as being antiques,

Stolen antiques and art is a £5bn industry, second only to drugs in global crime. Britain provides the higgest market in the world, with an estimated £500m worth of goods stolen every year.

Before Det Sgt Ellis refounded it in 1989, there was no specialist arts unit at all. It had been disbanded in 1984, before cated more effectively you could

police recognised the strong actually have a national data-links between art theft and oth-base at very little cost," he said. er forms of organised crime.

Det Sgt Ellis said: "The biggest problem we face is communication with other police forces. We have this database on which we are prepared to put property that has been stolen from anywhere; not just London but from ahroad as well, because London is a major marketplace. But the majority of police forces do not send us material," he said.

"If there's no trace of the object we are looking at, we can't say it's stolen. So sometimes it goes back to the criminal. Then months later you might find the insurer will place an advertisement [about it] hut it's too late," he said.

Det Sgt Ellis recently attended a conference where international forces considered the advantages of a pan-European database. But he is still struggling with

the fact that the majority of forces in Britain do not have a database "If all police forces invested in a database and communi-



base at very little cost," he said. This would mean thousands more people a year recovering their stolen property.

"We're able to access France, Italy and Germany from our own office and yet we can't even tell you what's been stolen in Essex." Det Sgt Ellis also pointed out that while the British unit has a staff of three, its Italian counterpart employs 100 officers.

The failure of what could easily be an effective, national system for recovering people's belongings; he said, was also partly due to regional forces' be-lief that arts and antiques was an area for specialists, while what they were dealing with was household hurglary. This was compounded by national statistics, in which art is lumped in with other stolen property.

"It's been a growth area for a number of years. The antiques fairs circuit has grown enormously, to the point where the market is almost saturated. It's just so easy for people to drive up the motorway, commit thefts, drive to another part of the country and dispose of the goods on the same day.

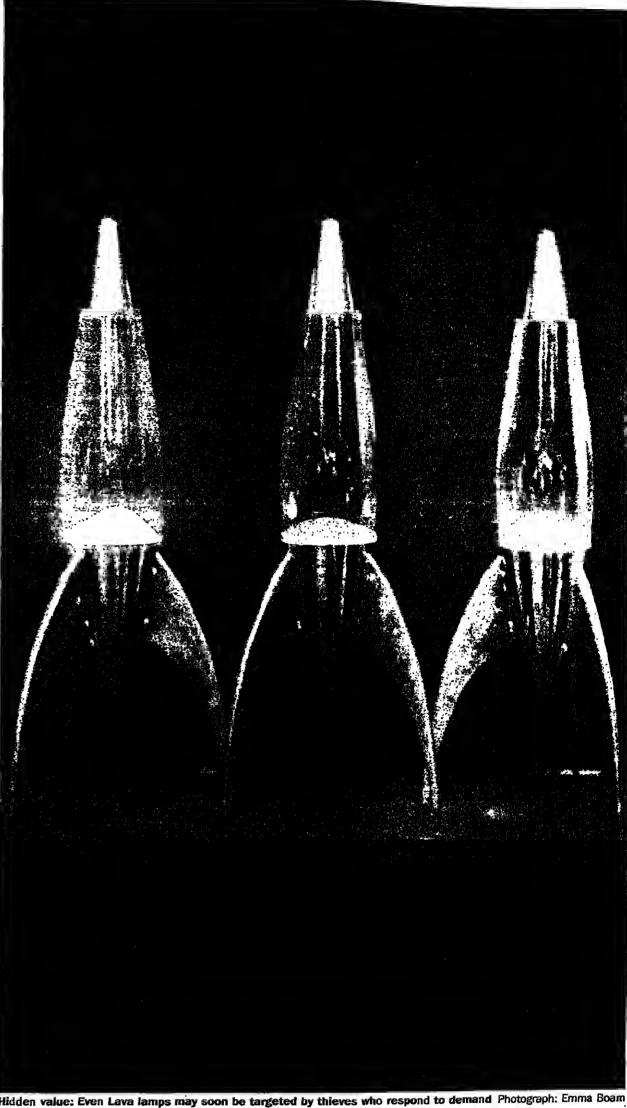
"It is similarly easy to steal art in one country and sell it in another. It requires no currency exchange and criminals can protect themselves through international law.

"From the criminals' point of view there is an area in which they can operate and resell goods and get the maximum market price themselves."

Police say these are neither amateur, nor opportunist criminals. They research their market, target their goods, and know where to dispose of them. And as targets like banks become harder, the world of art and antiques is considered gratifyingly easy

The Arts and Antiques Unit has some 20 major investigations underway, mostly international The unit's integration into the Organised Crime Group helped, Det Set Ellis said, as it provided a greater pool of resources and generally gets good cooperation from an often insular and protective market.

But because the marketplace acts in such secrecy it lends itself to infiltration by the Dick Ellis: Facing international crime Photograph: David Rose criminal," Det Sgt Ellis said.



Hidden value: Even Lava lamps may soon be targeted by thieves who respond to demand Photograph: Emma Boam

rse on murder charge denies having lesbian affair

A British nurse held in Saudi Arahia has made a "vehement" denial" that she had a lesbian relationship with a colleague whom she and a fellow murse are accused of killing, lawyers said yesterday.

It had been alleged that a leshian affair involving Deborah Parry was admitted in statements made to police soon after she and Lucille McLauchlan were arrested over the death of

any such admission when she and Miss McLauchlan were visited by their lawyers on Saturday for the first time since their arrest.

The lawyers said the two sive" nurses had made written statements to police admitting the murder soon after their

ported instead of being prosecuted, said the Riyadh law firm

of Salah Al-Hejailan. The firm said it was taking the unusual step of issuing a press statement at the "express request" of the two nurses, who were "conceroed" that widespread media coverage assumed their guilt while the case

Yvonne Gilford, an Australian nurse. But this was only in response to a promise that if they did so, they would be detected by the dead nurse said yesterday he would not ask for clemency if

the pair are found guilty. Frank Gilford, of Jamestown near Adelaide, said he believed in an eve for an eye and said: "My sister wasn't shown any mercy when she was murdered." Under Saudi law, relatives of a murder victim can ask for the death penalty, or can ask

they can waive both rights. In an apparent attempt to

build hridges with the Saudi authorities, the family of Lucille McLauchlan yesterday thanked them for providing her with "the best possible legal representation" and said they had faith in the Saudi justice system.

The statement in Dundee by Miss McLauchlan's brother John, 28, said: "We feel sure that

instead for "blood money", or Lucy will be found innocent of night row flared up over "perany crimes. We would also like to extend our sympathies to the family of Yvonne Gilford. They

must be going through hell."
Miss McLachlan, 31, and Ms Parry, 41, were arrested and jailed on 20 December, nine days after Yvonne Gilford, 55, was found dead at the King Fahd military hospital complex where all three worked.

Saudi police have said a late-

sonal relationships, and that the two killed the Australian and used her bank card to withdraw cash, which they now deny. The two women, in Saudi

cloaks, were seen by their legal team on Saturday in the prison where they are being held at Dammam.

They were also seen separately that day by a British consular official who reported them fit and well but "conceroed" at the charges against them. Their lawyers said that a senior police officer was present

during the interviews, but the women did not seen intimidated. They added: "The withdrawal of the written statements by both nurses obviously changes the complexion of the case and we will be discussing this with the relevant authorities as soon as possible."

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This week's fare rises put London's Tube among the dearest metros in the world - as well as the most underfunded,

dilapidated and unreliable

Clare Garner

It is the graveyard of the London Underground. The Northern Line - known as the Misery Line - has less to recommend it than any other route on the

Away from the spick and span corridors of the Docklands Light Railway, you disappear into the bowels of Bank station. Turn right or left, north or south there's no escape. That depressingly familiar musty, dusty smell and walls caked in dirt is the signature of Northern Line. Peeling posters spell decay, decline and decrepitude.

Although the Northern Line has come to epitomise the worst of the Underground, much of the rest is little better. Small wonder then that commuters will resent the annual price hike which sees the minimum fare in the central area rise today by 9 per cent to £1.20, and overall fares by 4 per cent.

London Underground needs £3.5bn over the next five years after all, a luxury the massed for repairs and maintenance and hopes the rises will raise an ex-tra £44m. There may be a fur-

ther increase in the summer.

11 has been caught between a dramatic rise in the cost of the Jubilee Line extension – from £1.9bn to £2.6bn -and revisions to its grant from the Gov-

It estimates It will be left more than £600m short for investment over the next three years. The government grant this year is £383m. Out of this, LU will have to pay a "first in-stalment" of £150m towards the Jubilee Line overrun.

Investment in the Northern Line is to be reduced by £42m this year, and a £100m modemisation due to start in 2001 is not now expected until 2005. Back at Bank station, the

squalor is overwhelming. From top to toe, the place is sealed in grime, showering soot from all quarters. A mouse scuttles out of a discarded Big Mac carton - a small touch that Dickens

would have relished.
"High Barnet 1 minute". read the overhead train-arrival sign. Fat chance. Two, three, four, five minutes later, a cranky, old excuse of a train creaked into the station, its windows so silted up that I doubted the driver would have known whether he was in Bank or Boulogue.

You can't avoid junk food wrappers on the Northern Line. You accept rubbish as the Queen accepts red carpets. The business section of the London Evening Standard is wallpaper for the feet. Inside the train, selecting a seat is an ordeal. Should it be the saggy one with a sweaty patch marking bygone burns? Or the one with the gum encrusted on the handrest? It's best not look too closely - it was, ranks of rush-hour commuters never have the chance to take.

Unacceptable? Seeking a second opinion, I broke ranks second opinion, I broke ranks and spoke to my neighbour, Adele Fernandez, 24, an organic vegetable deliverer. "It's just grotty, Totally grotty," she said, making her way to Camden. But, wait for it, she actually loves it. "I feel quite affectionale about it," she added, her heavily made-up eyes lighting up.

"Just knowing that every tube stop bas a history behind it. It's not the McDonald's treatment that the others have, like the Central Line."

. Somewhere between Old Street and Angel stations, the cranky carriages ground to a halt in the pitch-black tunnel. No announcements. Nothing. "This is typical," remarked Ms



Musty misery: Underground passengers now pay more to experience the squalor and grime of the Northern Line at Bank station

Photograph: Philip Meech

Fernandez. Could this be one of the features that inspired her bizarre affection?

At Camden Town station a man in a fluorescent orange jacket, emblazened with the words "Cleaning the Northern Line", shuffled along the platform dragging a plastic bag. "Excuse me, I'm very busy," be said, apologising that he had no time to talk.

The wooden seats on the platform at Camden look as

though they had grown out of the walls. A woman with cropped bleached hair, multiple piercings and chipped emerald nail varnisb, sobbed into a let-ter. "I find it comforting here," she said. "I just needed some space. It's the ideal place, you know. You see, I'm in love." Her situation – involving an Irish gay boyfriend and a jealous "fella" hack home – would have kept Marje Proops husy for months. Why else would anyone hang

around an Underground sta-

tion, least of all this one? On to Chalk Farm. A man on crutches staggered the length of the platform, pained at the prospect of the escalators being out of order - again. "For a start, when they're designing all these changes why not put in a gradual gradient or even a bloody spiral ramp?"

10pm: en route home. Two Underground workers in navy overalls with smart matching had just knocked ou shift. "So what's it really like?" I asked. "An appalling shambles - constantly," said one, throwing loyal corporate caution to

■ January 1996: Announcement of 18 months of line closures and disruption to allow crucial engineering work from March 1996 to autumn 1997. April 1996: Power fallure brought 90 per-cent of the network to a standstill, leaving

> Thirty-one passengers were treated for smoke inhalation. A 40-year-old cable was November 1996: Electrical failure in a

power station in west London paralysed the.

entire network. The back-up system also.

thousands of passengers trapped in trains in

Timetable of trouble

failed. Thousands of passengers were stranded for hours in denoness. November 1996: Mechanical failure on

serious delays.---December 1996: Junnel fire led to the closure of Child Circus and Regents Park stations, and suspension of Balleriochile

Victoria line led to 10,000 passengers lacing

Until July 1997: Bakerloo line closed between Elephant & Castle and Piccadilly (with May at least) for repairs to the tunnel under the Thames.

BA faces strike ballot over plan to slash jobs and pay

Barrie Clement Labour Editor

Leaders of more than 20,000 workers at British Airways were authorised at the weekend to call a strike ballot if the company forces through a "Day Zero" plan for massive change.

Union officials meet BA management this week in a last-ditch attempt to elicit compromises from the company which is planning 5,000 redun-dancies as part of a £1bn costcutting initiative.

The company bas told employees' representatives that it wants agreement by this Friday. Union officials understand that senior managers have drawn up a Day Zero plan to implement the new employment conditions on 15 January if there is no deal.

This week's talks will concentrate on management demands for wage cuts of up to 30 per cent Senior employees' representa-

and cabin crew working for the regional arm of BA.

While employees bave been offered relatively generous severance terms if they do not accept the new package, the wace cuts are thought to be among the most severe ever contemplated by a major employer in modern Britain.

The company has admitted that managers at Heathrow have undertaken training to take over the jobs of ground staff in the event of a strike. Sources among cahin crew also believe stewards and stewardesses currently working for other airlines may also be taken on at short notice if it becomes necessary.

Union officials believe BA

may be deliberately provoking industrial action in order to dismiss strikers and employ contract workers on lower rates.

tives argue however that strikes may be the only option and that management would not be able

> ployees walked out. George Ryde, national offi-cial with the Transport and General Workers' Union, has elicited pledges of support from workers on the continent and in the US who have promised to refuse to handle BA aircraft op-

erated by strike-breakers. Mr Ryde received backing for strike ballots at a 400-strong meeting of BA shop stewards on Friday. While some of the more militant activists are anxious to take on the company soon, otbers are more cautious, arguing that the timing of any ballot would be critical to a "yes" vote. Some employees who have

shown an interest in taking severance have been warned by

management that they could

A number of sbop stewards

lose the offer if they strike.

forcing through the changes may now be changed after it was revealed in The Independent. to keep the airline going if em-Despite record profits, man-

agement is attempting to save £1bn by 2000. Robert Ayling, BA chairman, says the cuts are essential, not only for the maintenance of profits, but for the the company's survival amid increasing global competition.

A spokesman pointed out that industrial action had not been endorsed by union members and that no disruption was scheduled. Contingency plans were in place however.

"We are surprised by the news from the union." he said. "It comes without warning. The union should raise its concerns with us, which it bas not yet done." Without the efficiency plan jobs would be threatened by the turn of the century. Most of BA's competitors were also cutting costs, he said.

Prison gang hold warders hostage

Six prisoners armed with bloodfilled syringes and metal hars were holding four warders hostage in Dublin's Mounijoy jail last night. They were barri-caded into the recreation room of the segregation unit, which houses the most dangerous in-

Five warders were seized on Saturday evening as they came on duty in the unit. One was lat-er released with a message for the governor, John Lonergan, requesting that a Department of Justice official be brought to the prison. When the official arrived, negotiations began through a window.

One of the prisoners is Paul Ward, from Crumlin, in Dublin. He is proclaiming his innocence of charges arising from the murder of the crime journalist Veronica Guerin and from the

alleged possession of drugs. Three others, Eddie Ferncombe, Joseph Cooper and Warren Dumbrell, are protesting against living conditions and alleged ill treatment in various Irish prisons. The two other prisoners are also comaining over conditions, but declined to be named.

Food was provided yesterday for both officers and prisoners in the unit. Relatives of the prisoners involved were also brought into the jail.

Mountjoy dates from the 1840s and is used mainly for remand prisoners. Conditions have have caused increasing concern. The jail has extensive drug problems, severe overcrowding and many suicides.

DAILY POEM

Men against Trees

By Christopher Reid

I note that the deforestation of Brazil is going ahead at a cracking pace. Valiant feats of giant-toppling! Disgrace to the ancient Empire of Chlorophyll!

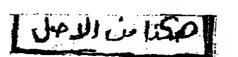
Nature's strongholds surrender one by one. Even here at home, the fight continues quietly; men roam about at night snapping suplings - and not just for fun.

Burger boxes and buckled lager cans stuff the guts of older trees. On more technical missions, auxiliaries steal forth in trucks and vans.

I saw one last week on a daylight job: reversing under the boughs of an ash. he tore a limb and left an enormous gash You had to admire the insouciant slob!

Today's selection from the shortlist for the TS Eliot Print organised by the Poetry Book Society, appears in Christopher Reid's Expanded Universes (Faber). The shortlisted poets will be reading at the Almeida Theatre, London, NI, on Standay 12 January at 70th Tickets formatter, London, NI, on Standay 12 January 12 J 12 January at 7pm. Tickets from the box office: 0171-359 4404.





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E INDEPENDENT

Ministers fail to support conservationists over dwindling stocks of gentle giants in coastal waters Shark puts Britain in jaws of dilemma



Feeding frenzy: The harmless basking shark, cetorhinus maximus - a regular visitor to UK waters - cruising near the surface with its mouth agape to filter plankton

Nicholas Schoon Environment Correspondent

The Isle of Man and nature conservationists are furious about a British government refusal to back moves to protect the UK's higgest fish, the hasking shark. The huge but harmless plankton-caters, which grow to

more than 30ft and weigh five lons, are at risk from over-fishing. Their tims are the ones most prized by the international trade for shark-fin soup. More than nature conserva-

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tion is now at stake. The basking shark is clouding the sometimes troubled relations hetween the semi-independent island and Britain.

Surveys have found a rapid decline in the number of hasking sharks visiting Isle of Man waters. But while the Manx government forbids fishing for the sharks within its 12-mile limit, the UK government is refusing to support wider moves to control and monitor the global trade in shark products.

formally requested the De-Loudon to propose to other naby Cites - a treaty which regulates the trade in endangered species. The department has refused, claiming there is insufficient proof that it is under

The Manx government is unable to make its case to Cites directly because the UK runs the Isle of Man's foreign relations. Manx ministers think Whitehall has no right to reject its request to put forward the shark proposal to other treaty nations. Steve Rodan, a member of

the House of Keys, the Manx own department of the envi- interest. partment of Environment in ronment, said: "I'm very concerned that the UK government tions that the shark be covered is choosing not to promote our interest."

He said provided the Manx request was reasonable, which duty to do so". Dr Simon Lister, director of

the nationwide network of county Wildlife Trusts, said:
"I'm furious . . . it seems outrageous that one or two officials in the Department of the Environment have taken it upon themselves to block this very worthwhile proposal,"

Dr Lister wants the Secretary of State for the Environment, The Manx government has Parliament, and the island's John Gummer, to take a direct

The Worldwide Fund for Nature and the Manx government have pleaded with the DoE to think again. There are just five days left before nations have to submit their proposals for the it was, "the Government has a next Cites treaty meeting, in

Zimbabwe in June. Labour's campaign co-ordinator on the environment, Joan

Mr Gummer. The DoE says its own scientific advisers believe there is insufficient evidence to back the

Walley MP, has asked for an ur-

gent meeting on the issue with

But Dr Sarah Fowler, a leading shark authority, said there poon them. had heen several occasions around the world when overfishing had caused collapses in around the Isle of Man each hasking-shark numbers, including one off Ireland's north-

west coast in the 1950s. Sharks are slow breeders, with females taking decades to reach sexual maturity and bearing only a few young each year.

They used to be caught for their liver oil but now the main threat comes from rising deand the sighting surveys, said: mand for their fins. In Singa-"In the last few years the numpore, they have been fetching bers around here have gone over £200 a kilogram. The nearest place to Britain where they proposal and not enough time are caught deliberately in large to consult with other countries. numbers is Norway, where some whaling boats now har-

> sharks arrive in the waters summer. They swim near the surface with mouths gaping wide. Each hour a water volume equal to a large swimming pool plankton is filtered out on "rakers" attached to them.

Photograph: Planet Earth Ken Watterson, who runs the Manx basking-shark project

from thousands to hundreds." The proposal to Cites from the Manx government would not han the international trade in shark products, but it would make treaty nations monitor it. Several hundred of the and reduce it if it was shown to

unsustainable. The proposal would probably run into insurmountable opposition from South-East Asian countries, which do not want Cites covering fish stocks. But, passes through their gills and the say conservationists, merely getting it debated would be a

Internet watchdog slow to sniff out porn

Charles Arthur Science Editor

A high-profile industry initiative to clean up the Internet has received just 34 calls in its first full month of operation.

Of those, only half were alerting it to material which actually was illegal, according to David Kerr, chief executive of the newly formed Internet Watch Foundation. He said "half a dozen" of those - all involving child pornography -had been reported to the police. None originated in the UK.

Internet Watch - originally known as Safety Net - was started in September in a hlaze of publicity. Ian Taylor, the seience and technology minister, and the head of the Metropolitan Police's vice unit gave it their public backing, and it received £500,000 funding from Peter Dawe, founder of Pipex, one of the UK's biggest companies

providing links to the Internet. Although Mr Taylor said the scheme was not an attempt to legislate the Internet, Mr Kerr now thinks that the time is ripe to begin "rating" Internet discussion groups (known as "newsgroups") and "pages" on the World Wide Weh - a move that could cripple the usefulness of the global network for research and discussion.

There are about 22,000 newsgroups, dealing with a vast range of topics. Of those, hundreds of newsgroups dead with sex - either in text or with pictures. Almost all the reports to the foundation derived from postings from other countries to sex-related newsgroups, which are accessible internationally.

A rating scheme would act like a film censor's certificate. giving a hroad-hrush guide to the content of a page. Rating most newsgroups would be rou-tine, said Mr Kerr: "People in the industry tell me you could quickly narrow it down to 1,000 newsgroups requiring careful consideration." A newsgroup would be rated according to its "usual content", rather than requiring people to rate their postings as they sent them in. Web-page authors would be ex-

pected to rate their own pages. The ratings would work in conjunction with software on a user's computer. A parent might thus allow a child to view material judged suitable for 12-year-olds but not 16-year-olds.

The proposal was immediately attacked by Malcolm Hetty, a programmer who runs the Campaign Against Censorship of the Internet in Britain.

"Newsgroups already have a classification system: it's their names," he said. "It's how you get to a particular sort of material, no matter what subject it is. It only works because it's down to the user's choice of what to read or write about.

"If you try to apply some rating to that, and remove the user's power then you'll get displacement. People will try to circumvent the ratings by putting the material into another newsgroup so people can see it."

This could mean that more newsgroups would have to be more strictly rated - reducing the useful information available.

Seas alive with sound of whale song

The seas off Britain and Western Europe are alive with the sound of whale song, a highly sensitive US hydrophone system has revealed, writes Nicholas

Even the rarest and largest of the whales, the blue, is often heard in Atlantic waters beside

The mysterious vocalisations of the great sea mammals have heen recorded using arrays of hydrophones fixed to the seabed as deep as 10,000ft. They were laid in the North Atlantic to detect Soviet nuclear sub-

marines heading out on patrol or returning to port.

Now the whale sounds they picked up have been made available to US and British scientists who are highly enthusiastic about their value in studying numbers, ecology and

behaviour. The blue has the loudest song, a pure basso profundo tone lasting some 15 seconds at between 10 and 20 hertz (cycles per second). In air it would be too low for the human ear to hear, although you might feel the atmosphere rattle.

bioacoustics research at Cornell University in New York State, said: "You can have a hydrophone in the Caribbean picking up a blue whale singing off Newfoundland, a couple of

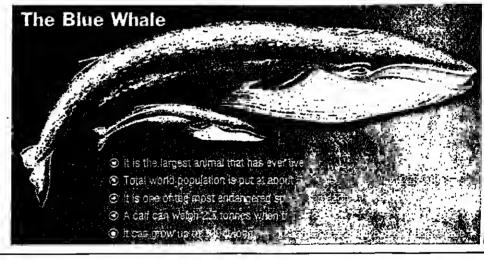
thousand miles north.
"Whenever you listen on these arrays you can hear be-tween 10 and 100 singing across the North Atlantic. Some days it's like going into the woods on

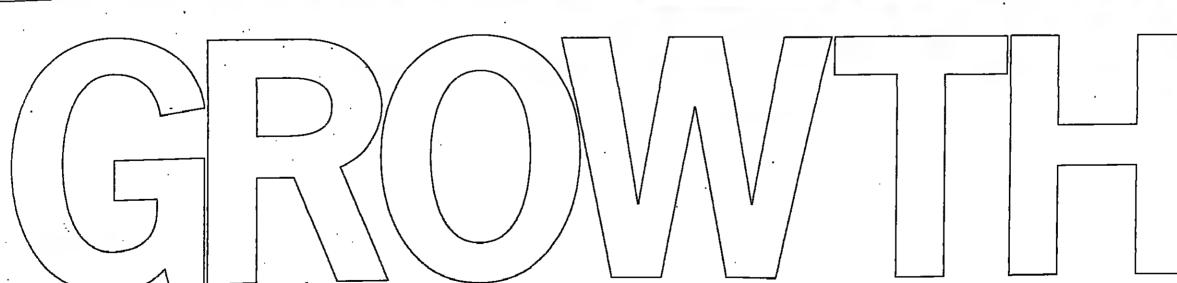
a spring morning and hearing all the birdsong."

The sound is thought to be used to attract mates, but he-

Christopher Clark, head of cause it is heard out of the mating season, can carry huge distances in deep water and echoes off islands and coasts, Dr Clark believes the song is also a nav-

> Two years of listening to the recordings have shown there are populations of blue, fin, hump-back and minke whales which remain all year round in the waters off Britain and Norway. But the numbers of blue, once hunted to the brink of extinction, are still small: in the entire North Atlantic there are only thought to he around a thousand.





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Mitterrand's spirit takes a bow as France tunes up for grand finale

One year after his death, the nation prepares to fête its former president. Mary Dejevsky reports

Paris — The shadowy orchestrators of public life in France are tuning up for one of this year's most elaborately arr-anged, and probably least con-ger majority (65 per cent to 34) sequential, commemorations: the first anniversary of the death of the country's former president, François Mitterrand, which falls this Wednesday.

A special stamp has been issued, with first-day covers sold in Paris - heneath the contro-versial glass pyramid of the Louvre that Mitterrand had huilt - and in Château-Chinon, at the town hall of this Morvan town where he was mayor. The broadhrimmed hlack-felt hat that became a Mitterrand trademark has been donated by his widow, Danielle, to the national hat museum oear Lyon.

His political foundation, set up to catalogue his archives and pursue Mitterrandist research, has been inaugurated - at a strictly private occasion - by the Mitterrand family and by Mazarine Pingeot, the former president's illegitimate daughter. It was to her, now a student at one of France's élite colleges, that he left his papers.

Later this week there is to be a two-day memorial conference at Unesco on questions of international development, with participants and topics of a dis-

tinctly Eighties "retro" flavour. And, on Saturday, the Mitterrand court - the family and the couple of dozen other people who were accepted into his immediate orbit - will gather at Jamac, the grey Cognac town where François Mitterrand was born and is buried. A street will be camed after him, a statue unveiled, and red roses laid at

The former presideot's death was announced at 11am on 8 January 1996, barely half a year after he had left office; only days after he had submitted his last writings to his publisher. In the final week of his life, it was said, he had retired to bed at his Paris flat-cum-office, refusing all food and all medicines, awaiting the eod.

A year on, so the polis say, the French think that, as president, Mitterrand did more good than consider that he was a good, even a great, president - hut not as

good or as great as De Gaulle. The hlack spots on his time in power are seen as his failure to curb unemployment, the economy, and "morality in public life", but they are generally regarded as less black than the sins of the present government, perhaps because they are so incontrovertibly in the past.

It is, perhaps, by comparison with the unpopularity of the present government and president that Mitterrand's memory seems suffused with such a rosv glow. But the amhiguities that surrounded his last years in

office are never far away. "Is it one year already? ... Is it only one year?" was the response of one analyst, reflecting the extent to which François Mitterrand was already being regarded posthumously when he died, hut also the extent to which his figure has stubbornly refused to fade out completely over the past year,

True, some of the questionmarks that hung over his character and his behaviour seem to have been buried with him. sistance fighter under the Vichy regime, for instance, has been generally left as a query in reeent accounts. The duhious dealings and the suicides in his entourage that scarred his second term as president have also been crowded out of immediate public consciousness by revelations about those who are still alive and closer to power today.

One of the greatest scandals of Mitterrand's presidency. however, the succession of published medical reports from 1982 on that made no mention - on his instructions - of the cancer that eventually killed him, has been perpetuated by his heirs. Thanks to the closed



Living in memory: François Mitterrand, who died last January of the cancer he denied he had Photograph: Brian Harris

ment and particularly to its judicial wing, the Mitterrand fam-ily is deemed to enjoy the right to privacy accorded by French law to the living. The Big Secret, an account of

Mitterrand's illness by his doctor of 10 years, Claude Gubler, is still hanned after a law suit brought by his family. Danielle Mitterrand has occasionally

seemed to waver as she expresses support for free speech, but the judge came to her rescue. He spoke of a "gross vio-lation of personal privacy"; the truth did not come into the ar-

This week's anniversary sees a new crop of Mitterrand books on different aspects of the former president's life. One.

though, is likely to attract particular attention, aod could offer Dr Gubler modest consolation. By Georges-Marc Benamou, one of Mitterrand's "courtiers", it not only confirms the 1982 cancer diagnosis but also gives a merciless description of the former president's

too ill to eat at the same table as the other guests, too ill to stay up until mldnight.

*His face was a funeral mask. a face from which all the blood had flowed out, grey, parch-ment, transparent ... But his gaze held, and that was the only trace of life you could still dislast New Year's Eve, when he cern." A mortal, in brief, whose was too ill to stand by himself, end was nigh.

significant shorts

Progress' in Hebron troop pull-out

The Palestinian leader Yasser Arafat and Israeli Prime Netanyahu met for three hours early yesterday in an unannounced summit at the Erez crossing between Israel and Gaza. Both sides reported progress towards Israeli redeployment in The Palestinians are

demanding a hinding timetable for troop withdrawals from rural areas still under Israeli military supervision. According to the Oslo agreement, these should have begun last September and ended one year later. Mr Netanyahu is reported to have offered to start the withdrawals in March this year and complete them in March 1998. Mr Arafat insisted that he keep to the original schedule. He fears Israel will try to stall once the Hehron issue is out of the way. Eric Silver, Jerusalem

Yeltsin holds out over Nato

The Kremlin is prepared to discuss relations with Nato but remains firmly opposed to the alliance's plans to expand eastwards, President Boris Yeltsin's spokesman said vesterday.

The comments by Sergei Yastrzembsky dampened the optimism expressed hy German Chancellor Helmut Kohl after weekend talks with Mr Yeltsin. Mr Kohl is the first Western leader to see Mr Yeltsin since his heart operation, Reuters - Moscow

Muslims kill 16 in Algeria

Muslim guerrillas in Algeria killed 16 people overnight in a village in Blida province, 50 km south of the capital, Algiers, the Algerian security

forces said yesterday. News of the killings came one day after Prime Minister Ahmed Ouyahia claimed his government had largely quashed the five-year-old Muslim guerrilla struggle.

SA police seize two whites over blasts

Sonth African police have arrested two white men in connection with yesterday's three bomh hlasts near Johannesburg, the second incident in two weeks involving attacks by suspected white rightwingers. The explosions at a mosque, post office and shop occurred around midnight near Rustenburg. Two hlack men sleeping at the mosque were slightly hurt in the explosion. Reuters - Johannesburg

Russia 'out of Chechnya'

All Russia's Interior Ministry troops have left the rebel region of Chechnya, a top ministry official told the RIA

news agency yesterday. Lieutenant-General Pavel Maslov, chief of staff of the Interior Ministry troops, did not say when the withdrawal, ordered by President Boris Yeltsin, had been completed.

African crisis talks

Kenya's President Daniel arap Moi flies to Zaire today for a meeting with President Mobutu Sese Seko to discuss the crisis in the Great Lakes region, Kenyan Foreign Minister Stephen Musyoka said yesterday. The meeting follows last month's Nairobi summit of 10 African leaders, boycotted by Kinshasa, which discussed the situation in central Africa after Tutsi rebels took control of eastern Zaire, Reuters - Harare

Farrakhan visits Libya

Louis Farrakhan, the US Nation of Islam leader, nation of Islam leader, arrived in Tripoli yesterday, the official Libyan news agency, Jana, reported, The agency gave no details ahout the visit of the controversial black Muslim leader, who was awarded a \$250,000 (£148,000) prize by the country during his last visit in August. Reuters - Tunis

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White-out paralyses Spain in worst winter for 20 years

Elizabeth Nash Madrid Mary Dejevsky

Spain was paralysed by snowstorms yesterday, with roads out of Madrid blocked in all directions. Motorists were urged not to venture out at all, or if they had to, only with snow-chains. Siberian conditions in the harshest winter for 20 years have claimed 18 lives in three days.

Forecasters predicted more snow today, when millions of Spaniards will be returning from Christmas and New Year

More than 500 towns and villages in the northern half of the country were unreachable by road and without telephone and electricity yesterday, and the rail network was virtually at a standstill. Trains between Madrid and Paris via the Basque border lown of Irun were suspended.

In the south, the worst rainstorms for a century have inundated Andalusia, causing rivers to burst their banks and destroying most of the strawberry crop. In search of a prece-



Slow progress: A car crawls along behind a snow plough in

dent. January 1561 is heing cited, when the port of Malaga was surrounded by water and had to be supplied by boat. In a hillside cemetery near Motril in Granada, human re-

mains in 120 graves had to be carried to safety when landslips threatened to dislodge tombstones and push out the coffins. In France, the return home at the end of the Christmas and New Year hreak, normally one

winter, was reduced to chaotic

of the busiest weekends of the

uncertainty as major routes in the southern, central and eastblocked by snow and icc. Some ski resorts organised convoys, led by snow-ploughs, to help holidaymakers depart.

The state railway company SNCF, came in for severe criticism from passengers marooned, in some cases overnight, when ice and snow immobilised dozens of the

than 30,000 people had their journeys disrupted in southeastern France at the start of the weekend, with 10,000 having to spend the night on trains or in

Passengers emerged gingerly from trains stranded at snowhound country stations in scenes reminiscent of Dr Zhivago. Some trains from the south-east arrived in Paris after epic 25-hour journeys, five times

longer than usual.

Ice trapped all Bordeaux's high-speed trains in the city's main station, though by yesterday a limited service had been laid on using diesel trains. But angry passengers were asking why SNCF had not warned of difficulties, why there was so little information for stranded passengers and those meeting them, and why the network had seized up so disastrously.

Louis Gallois, head of SNCF, said station officials had not known where the trains were and that the weather - extreme cold and high humidity which had iced-up the cahles - was exceptional. In a somewhat halfspeed trains (TGVs). More hearted apology, he added: "We are not perfect - no one is."

Bangui mutineers die in French revenge attack

Raphael Kopessoua Reuters

Bangui — French troops killed 10 Central African Republic army mutineers yesterday in a helicopter and tank attack aunched after two French officers with a multinational mediation team were killed.

A defence ministry spokesman in Paris said the overnight operation targeted mutincers' command posts in Kassai army camp and other rebel-held areas of the capital, Bangui. A further 30 mutineers were taken

Spokesmen for the mutineers put the death foll at 21 and said seven civilians had also been killed around their headquarters in Perevo district.

"France is determined to

military spokesman. Colonel Henri Pelicier, told reporters in Bangui, adding that French troops had taken control of the port, its fuel supplies and a short-wave radio transmitter.

The Central African Republic is in the grip of its third army revolt within a year. French troops, in the former colony under a defence pact, intervened to keep President Ange-Felix Patasse in power during the second revolt in May.

Hundreds of people have been killed in violence associ-

ated with the revolts which have Mr Patasse, a civilian elected in 1993 during the impoverished nation's democratic transition. French officials said yester-

day's operation was one of selfdefence following the killing on take on the rehels," a French Saturday of the two soldiers.



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And the second s

Andrew Gumbel

Nobody has got married in Nis, Serbia's second city, since 17 November. No builder has been able to apply for planning per-mission, and no traffic fines have been enforced. Officially, no bahies have been born, and even the dead have yet to have their names registered. The only municipal service still functioning is a counter for the payment of local taxes.

This grim industrial city near the Bulgarian border, where the massive anti-government protests rocking Serbia first started two months ago, has effectively ground to an admin-istrative halt. The ruling Socialist Party may have refused to admit defeat in the local elections whose annulment sparked off the protests, but it has also given up any pretence that business is continuing as usual.

The large crowds that turn out in Nis's main square every afternoon before marching in procession around the centre, exude the confidence of people who sense they are on the brink of victory. President Slobodan Milosevic's notorious local overlord, Milija Ilijic, resigned a couple of weeks ago and his erstwhile underlings have buried themselves out of pub-

The ranks of riot police that lurk menacingly on street cor-ners in the Serbian capital, Belgrade, are absent here. The opposition may not yet have the keys to the city hall, but it has full control of the streets and, more importantly, has won over the hearts and minds of much

of the city's population. Not only do the citizens turn out in their thousands each day to listen to local politicians, they also wave on the crowd from their high-rise apartment blocks, flicking their lights on and off in the twilight and dropping balloons down onto the streets. Local army commanders have made it known that they, too, are on the demonstrators' side.

"There is no doubt we are going to make it in the end. Not only did we win the elections, but the daily railies have brought cal radio station to provide live them, Mr Elijic's deputy



Branislav Todorovic, has of-

Face of resistance: Opposition to Serbia's governing party shows no signs of abating

coverage of the election re-

sults as they came in, sending

out no fewer than 18 reporters

with mohile phones to the var-

unwittingly became the mes-

sengers of their own defeat.

When the election results were

annulled two days later, the peo-

ple made for the streets imme-

diately - 48 hours ahead of the

rapidly losing their grip ever

since. First, the courts urged the

local electoral commission to

recognise the true result (it did

not). Then the riot police dis-

appeared off the streets. Now

the opposition has claimed that

senior Socialists have admitted

trying to rig the result through

ballot-stuffing and that one of

The Socialists have been

As a result, the Socialists

ious polling stations.

students in Belgrade.

Photograph: Reuters

refusing to acknowledge the op-

fered to deal dirt on his colleagues in exchange for immunity from prosecution. The local electoral commission, in concert with the Bel-

position victory. Nis's mini-revolution has its limits, however. Barely six miles into the surrounding countryside, where the population has access only grade authorities, persists in to the heavily-biased State me-

dia, the demonstrations inspire no sympathy. "The opposition is just hungry for power." one farmer said. "Milosevic is the man of the people, the one who

will protect us, I know, I saw it

Protesters take to their cars and block Belgrade

Andrew Gumbel

Belgrade — With horns honking and firecrackers exploding in the murky midwinter air. anti-government protesters paralysed the centre of Belgrade yesterday with a slow convoy of spluttering cars that broke up police lines and enabled tens of thousands of marchers to roam through the streets at will.

It was the largest demon-stration in the Serbian capital for weeks, and despite the stench of exhaust from the rickety Yugo cars the mood was irrepressibly optimistic as opposition leaders once again nanded that their victories in November's municipal elections be recognised.

The police, sitting in a collection of rusty coaches and patrol cars parked outside the parliament building, kept their own engines running but were unable to do more than look on bemused.

Just before Christmas, the government banned marches on non-pedestrian streets, restricting the demonstrators to a small cluster of cohbled shopping alleys and raising the tension between them and riot police lined up a few yards away. Yesterday's car blockade hroke that deadlock, further raising the pressure on President Slobodan Milosevic as he seeks a face-saving way out of

The opposition, learing the possibility of a violent crackdown, made a special effort not to antagonise the police, saying they sympathised with the fact that they had to waste their time on the streets and urging them to join the protests. The crowd waved at the police van and brandished sprigs of foliage, a symbol of peace for the Serbian orthodox Christmas which falls

Mr Milosevic was under further pressure from Nebojsa Covic, the outgoing Mayor of Belgrade and a moderate member of Mr Milosevic's Socialist Party, who threatened to resign this weekend amid clear signs of disagreement with his leader. Mr Covic is known to be strongly opposed to police intervention in the crisis, and vesterday an upposition newspaper reported that he had met Mr Milosevic and urged him to recognise the election results to full.

The students, who have been demonstrating alongside the opposition in Belgrade, made their own ultimatums, meanwhile, saying they would start a permanent round-the-clock protest on the streets from Thursday unless the riot police were removed before then.

They have organised meetings for this morning with the interior minister, who is responsible for the police, and the armed forces chief of staff.

Alarm at Cyprus Greeks' missile deal

more and more people on to our

side. It is only a matter of time,"

said Svonimir Budic, chief

anaesthetist at Nis hospital and

local head of the opposition Ser-

The turnaround is remark-

able in a city traditionally con-

sidered a Socialist stronghold.

a Tito era industrial centre

built under a 1940s Five Year

Plan. Although there are plen-

ty of reasons for the ruling

party to be unpopular - notably

the racketeering culture that has

developed since war and inter-

national sanctions devastated

the city's industries - the op-

position did not expect to win

the elections, and the Socialists

certainly did not expect to lose.

so foolishly confident that it

arranged for a sympathetic lo-

Indeed, the ruling party was

bian Renewal Movement.

Christopher Bellamy Defence Correspondent

The Greek Cypriots have signed a deal to buy advanced surface-to-air missiles from the Russians, Turkish officials said yesterday. The sale increases concern about a build-up of nation will undermine peace in

U turn

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mation that the deal to buy Russian S-300 missiles, which have a range of 90 miles, had been signed, but that they had known for some time that it was ahout to be concluded.

Turkey's Defence Minister, Turhan Hayan, said: "This sitarms on the militarised island.

British sources in Nicosia government spokesman, Yiansaid they had had no confir- nakis Cassoulides, said: "The

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Cyprus Republic has the legit-imate right to strengthen its defences so its people cease to be hostages of the Turkish occupation forces."

The S-300s mark a dramatic advance in Cyprus's ability to shoot down aircraft. With them could hit planes in nearby Turkish airspace, neutralising the overwhelming air superiority Turkey has enjoyed over the island since 1974.

Greece and Turkey are the only two Nato countries where there is a real risk of armed conflict, and each hacks its ethnic brothers on the island. For the Greek Cypriots to buy Russian is also a small boost for Russia, which is desperate to sell its hi-tech weaponry to raise hard

Currency.
Diplomatic sources said yesterday that the purchase was significant in the context of general concerns about an arms build-up. "The Cyprus government has admitted to some iournalists this is a tactic to get world attention, but it is a risky game to play," one diplomat

The move may be designed to increase pressure for a settlement of the situation on the island before talks begin next year on Cyprus's possible accession to the European Union. Turkey wants to join the EU as well, so a solution would be timely for both sides.

Since the Turkish invasion in 1974, Cyprus has been split between the internationally recognised republic in the south, largely peopled by Greek Cypriots, and the "Turkish Republic of North Cyprus", recognised only by Turkey. Turkey maintains a massive military presence in the north, having an entire corps of 30,000 troops there, and there are also about 5,000 troops belonging to the North Cyprus republic. The Greek part of the island has more people (700,000), but fewer forces: about 10,000 Cypriots with 1,000 advisers from mainland Greece. There are also 4,000 British troops in the separate sovereign base aras and 1,000 UN troops maintaining the cease-fire line between Greeks and Turks.

It is understood the missiles may be deployed to defend an air and naval base under construction on the west of the island, which is less threatening lo Turkey, although Greece and Turkey also remain in dispute over certain islands in the Aegean Sea.

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Lame duck Gingrich set to limp on

Rupert Cornwell Washington

Despite the continuing furore over his ethical lapses, Newt Gingrich is expected to be re-elected Speaker of the House when the 105th Congress convenes for the first time tomorrow. How long he holds the post there-

after, however, is another matter. For the time being, a ferocious campaign to keep the flock in line seems to have succeeded. Of the 227 Republican congressmen, only one vesterday was still vowing to vote against Mr Gingrich, and half a dozen, at the very most, are expected to abstain - far from sufficient to

overturn the party's 20-seat majority in the new House. To a man, Republican leaders insist that Mr Gingrich will win, and will do so with something to spare.

But that may be merely the beginning of his problems. Despite the facade of near-unanimity, many Republicans are profoundly uneasy at the decision not to postpone the election until after the bipartisan Ethics Committee, which found Mr Gingrich guilty of seven offences, has published its full report, and debat-

ed and voted upon his punishment. That may not take place until 21 January. In the meantime, the committee has been forced to deny in-

sistent rumours that it has struck a deal with Mr Gingrich whereby the Speaker would admit his sins in return for a modest reprimand that would permit him to keep his job. A formal censure, by contrast, would force him to resign.

No one, however, knows how damning the final report will be, nor bow public opinion - thus far mightily indifferent to Mr Gingrich's holiday-season problems - will react. So, argued a New York Times editorial yesterday, why not wait? Simply, the paper said, because Republican leaders "fear that if they cannot railroad him back into office on Tuesday, he will never be re-elected".

But the Democrats' position is equally ambiguous. For all the frothing against Mr Gingrich, and the party's understandable desire to exact revenge on the man who in 1989 forced the resignation of a Democratic speaker on equally minor ethics offences, they know full well that the re-election of a tainted and diminished Gingrich could serve their

interests best of all. Every day be remains Speaker will be one less day of attention to President Clinton's own ethical travails, ranging from the row over duhious Democratic campaign contributions to Whitewater and the Paula Jones sexual harassment case.

Each is potentially more serious that law may no longer apply.

Helping Mr Gingrich is the lack than the somewhat arcane sins to which Mr Gingrich has pleaded guilty-of unintentionally mislead-ing the Ethics Committee and improperly using tax-exempt donations to finance a pro-Republican college course taught by the

Speaker until 1993. A more distant, but already potent, calculation for Democrats are the 1998 mid-term elections. Especially under a re-elected President. the party which holds the White House tends to lose ground in Congress. But if the Speaker's chair continues to be occupied by America's single most unpopular politician,

of an obvious alternative. Whatever his peccadilloes, he remains the undisputed leader of House Republicans. Neither of his two im-mediate deputies, Dick Armey, majority leader, and the Republi-

can Whip Tom DeLay, have a similar following, while the 22-year Illinois Congressman Henry Hyde - a grandee who is as morally unimpeachable as Mr Gingrich is suspect - insists that he does not

want the joh. Whatever the outcome, whether Mr Gingrich stays or goes, a brief but vivid interlude of congressional

history is ending. The "Republican revolution" which he rode to irrumph in 1994 is a spent force, and Washington's watchwords at the start of 1997 are compromise, hi-partisanship and "the vital centre". The feud over Mr Gingrich may

bring such noble thoughts to naught. But his weakness means that the House almost certainly will revert to a traditional and less abrasive power structure.

In his first two years, be was the most despotic Speaker in modern congressional history. Now power will return to the major committees, where horse-trading and cross-party deals are a way of life.

Turkey forges a 'G7' for Muslim world

Christopher De Bellaigue

Senior officials from seven Muslim countries gathered in Istanbul at the weekend as the guests of Necmettin Erbakan, Turkey's first Islamist Prime Minister. Their aim was to prepare the ground for the inaugural summit of a multinational organisation called the Developing-Eight (D8), to be held later this year.

The meeting, attended by foreign ministers from Iran, Pakistan, Nigeria, Bangladesh, Malaysia and Indonesia, as well as an Egyptian foreign ministry official, was the realisation of a personal vision for Mr Erbakan. His Welfare Party came to power in a coalition with the True Path Party last June, Already, Mr Erbakan is on the way to forming a club which represents 740 million people, from eight of the world's largest Muslim nations.

The D8 reflects Mr Erbakan's preferences. Short on potentially fractious Arabs Egypt is the only Arab member), a smooth-working D8 will, Mr Erbakan hopes, constitute a developing world equivalent to the G7, the Western club of industrialised nations. The aim of the new club, according to Mr Erbakan, is nothing less than "refashioning the world order".

Mr Erbakan has his work cut out. Average per capita income in G7 countries is \$27,000

(£16,000). In the D8, it is just \$1,500. While trade volumes between D8 members are exthe grouping's formation. Turkey's own dependence on trade with the West is illustrated by the fact that 64 per cent of foreign firms active in Turkey are from European Union countries, and just 4 per cent from Muslim ones. The D8's most dynamic economies -- Indonesia and Malaysia - have not

succeeded by turning their

hacks on the West. Nevertheless, the organisation's exclusively Muslim membership has prompted fears that it has been formed to indulge Mr Erbakan's well-known distrust of the Christian West. Since coming to power, Mr Er-bakan has assiduously courted the Muslim world, conspicuously failing to set foot inside the EU, with whom Turkey signed a customs union agreement in 1995. Tansu Ciller, the True Path leader and Mr Erbakan's Foreign Minister, says the D8's Muslim composition is

"Christian" nature. Europhile Turks say Iran's membership of the D8 will only reinforce the perception that. Turkey is ditching the West in favour of unpredictable Middle Eastern friends. In August, Mr Erbakan signed a \$23bn natural trade with third countries.

incidental. Few believe her, es-

pecially since she began sharp-

ening her criticism of the EU's

gas deal with Iran. This - and a visit to Turkey last month by Iran's President, Akbar Hashepected to increase as a result of mi Rafsanjani - upset the US, which wants to isolate Iran internationally. Yesterday Iran's Foreign Minister, Ali Akbar Velayati, confirmed that Mr Erbakan had suggested "wideranging defence co-operacion" between Turkey and Iran.

Few expect such co-operation to take place. When Mr Rafsanjani was in Turkey, the secular military made it clear that the Iranian President would be denied access to sensitive sites.

While he was in opposition, Mr Erbakan hitterly attacked a defence co-operation agreement which Turkey had signed with Israel, and which bad elicited criticism from Turkey's Arab neighbours. Once in office, he was obliged to put his signature to another, earning accusations of betrayal from the same sources which bad welcomed his rise to power. Even now an enduring US military presence in Turkey testifies to Mr Erbakan's grim-faced genuflection to his generals' demands.

Western-oriented Turks bone Mr Erbakan will be similarly reined in with regard to the D8. Should he think of abandoning customs duties on trade with D8 partners - as he has hinted he will fall foul of the EU, whose customs union with Turkey has brought with it strict rules on

While the nation prays, Peru's police wait in the shadows



Peruvian paramilitary police cast shadows on the 15ft wall; surrounding the Japanese ambassador's residence in Lima, where the ambassador and 73 other hostages spent their third weekend held by guerrillas. Civilians prayed, lit candles and appealed for the hostages to be freed Photograph: AFP

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Afghans ordered to make heavens open recent months there has been people at Assad Gab mosque. belonging to a northern warlord little rain or snow in "But under previous govern-fighting the Taliban bombarded

Kabul, Afghanistan (AP) -The Taliban Islamic militia forced thousands of people in the capital yesterday to pray for rain in the country's parched

rural areas. mosques for the prayers. In a cleric told more the 5,000 and 32 wounded when a plane

little rain or snow in Afghanistan, which depends on both for drinking water and irrigation.
"Today's gathering may be-

Radio Shariat, mouthpiece of come a sign to God of a lack of the militia, ordered people into rain and snow for Afghanistan,"

ginning, four people were killed

fighting the Taliban bombarded a residential area of the capital. Later, an explosion in central Kabul killed three people and

wounded 37. There was no immediate information about the cause of the blast, which was

FIRST MEETING OF

CREDITORS

Company No. 0236302

Public Notices

COVERNO NA SERVICE SPRING IN DESIGNATION RAIS

2 ThAT Alan John Samett and Machael David Gerele both of Price Waterhouse, No. 1 London Bright London Sti 901, the and they are harely appointed joint liquidators of Leyland DAF Lensing No. 2 Lensied.

Dated the 14th day of December 1996

ALAN JOHN BARRETT ALAN ANTH WATER CO.
Leyland DAF France pic tip
Administrative Receivership?
and without personal jubing.

Company No. 92372918
Registered in England and Wales
INSOLVENCY ACT 1986
Resolutions OF
LEYLAND OAF LEASING
(NO 3) LIMITED

Passed By written resolution dated 24th December 1996 the following resolution were passed: No 1 as a special resolution, No 2 as an ordinary resolution and No 3 as ordinary resolution.

What's On

CREDITORS VOLUNTARY WINDING-UP
PUBLISHED NOTICE OF
FIRST MEETING OF
CREDITORS

(NO 2) LIMITED Registered in England and Water

By written resolution dated 34th Dece 19% the following resolution were painted No. 1 as a special resolution. No. 2 as as ordinary resolution and No. 3 as ordinary

I. THAT Leybood DAF Lessing 1960 25 Limited by wound up volumently

Brilgs, Loodon SEI 9QL be and they are hereby appointed toine liquidators of Leyland DAF Learner (No It Limited THAT any act required or authorsed by any emectment to be done by the liquidators may be done by either one of the joint liquidators setting alone.

Dated this 34th day of December Jean Receiver of Leviand OAF Finance pic (in Administrative Receivership) and without personal inhibity

ments, the leaders ... not only discouraged people from pray-

ing, they also destroyed much of the country, especially Kabul." As midday prayers were be-

heard across the city.

CLASSIFIED

Company No. 02258215

(NO I) LIMITED

NOTICE IS HERBY GIVEN, pursue

NOTE: 15 nexts of the pursuant to section 98 of the Insolvency Act 1966, that a meeting of the creditors of the above masted courtnuty will be held at No. 1 knodes Bridge, London SE1 9QL on 9th January 1997 at 10 30am

for the purposes mentioned in Sections
99 to 101 of the and Act A List of the
name and addresses of the contrastycroditors may be inspected free of
charge at No. 1 London Bridge.
London Sci. 9(1) between 1010tan and
500pm on 7th and 8th January 1997

Creditions wishing to vote at the meeting quot surfies, they are individual creditions attending so persont lodge their presses at No 1 London Bridge.

To advertise

Legal or Public

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THE INSOLVENCY ACT 1986

J. THAT say act required or authorised by any exactioest to be done by the inquidators may be done by other one of the joint houseness acting above.

Unless there are exceptional circumstances, a creditor will not be entitled to vote unless his proof has been looked and admired for voting purposes. Whisis proofs may be lodged at any time before voting commences, creditors unlending to vote at the meeting are requested to send them with their protoes. Unless they warrander their security, secured creditors must give perturbates of their security and ats value if they wish to vote at the meeting. Dated this 74th day of December 1996 By order of Leyland DAF Learing ALAN JOHN BARRETT

John Receiver of Leytand DAF Finance pic THAT Leyland DAF Lessing (No. and althout personal habitis voluntarily.
THAT Alan John Barrell and
Michael David Gerche both of
Price Waterhouse, No 1 London
Bridge, London SEI 90L be and

Notices on any day please call Seema Chaudhry

Public Notices

CREDITORS VOLUNTARY

PUBLISHED NOTICE OF

LEYLAND DAF LEASING (NO 3) LINITED

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Creditors we doing in vote at the meeting used furdess they are individual creditors attending in personal lodge their provises at No. 1 London Bridge, London SEL "QL no later than 12 noon on 8th January 1997.

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The proofs may be lodged and admitted to vote orders by providing the recommences, creditors attending to vote at the meeting.

Daved this 24th day of December 1996 By order of Leyland DAF Lenning (No. 3) Limited acting by its monthers ALAN JOHN BARRETT Joint Receiver of Leyland DAF Finance ple tin administrative are

F.M.B. (1995) LIMITED IN LICENSATIONS ACTICE IS REPEBLIZIVEN pursuent to Rick 2 106 to the insolvence Rules 1986 that Idward Mempha and David large Waterboure of Coh, Gub., Berson Home 33 Wellington Street, Lends LS1 4ff were appointed joint Legislator, conson Ho, appointed joint Legislator, of the abo named Company on 15 August 1996 | Creditor,

ETWARD KLEMPRA and DAVID JAMES WATERHOUSE

Dard December 2- 1996

CREDITORS VOLUNTARY PUBLISHED NOTICE OF FIRST MEETING OF

CREDITORS Company No. 62372918 legistered in England and Wales LEYLAND DAF LEASING INO 2) LIMITED

NOTICE IS HERBY GIVEN, pursu NOTICE IS HERBY GIVEN, pursuant to section 98 of the Involvency Act 1996, that a meeting of the creditars of the above-named company will be held at No. 1 London Bridge. London SEI YOL on 9th January 1997 at 1 Jam for the purposes mentioned in sections 99 to 101 of the said Act. A list of the names and addresses of the company's creditors may be inspected free of thorage. It No. 1 London Bridge, London SEI 90(L between 10mm and 5pm on 7th and 8th January 1997.

Creditors without 10 years at the most time.

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Dated the 24th day of December 1996 By order of Leyland DAF Learning 1No 21 Limited acting by us complers ALAN JOHN BARRETT Joint Receiver of Leyland DAF Finance pk In administrative receiversh

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Legal Notices INSOLVENCY RULES 1980 MILLENNIUM 2 GAMES

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4 100 of the Insolvence Rules, 1986 that
Edward Mempha and David larmes
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Dated December 24 1996 EDWARD KLEMPAA and DAVID JAMES WATERHOUSE

`.·., Registered in England and Wale THE INSOLVENCY ACT 1986 LEYLAND OAF LEASING (NO I) LIMITED Passed

THAT Alan John Barrett and

2 THAT Alan John Barrett and Michael David Gercke both of Prace Witerhouse, No 1 Lendon Bridge, London SEI 9QL he and they are hereby appointed joint liquidators of Leyland DAF Leaving (No 11 Limited.

3. THAT any act required or authorized by any enortment to be done by the hquidators may be done by either one of the joint liquidators, aring alone. ated this 24th day of Dece Joint Receiver of Leyland DAF Finance pic in Administrative Receivership! and without personal imbers

Legal Notices AVONDALE "MULTI TRADES" LIMITED

NOTICE IS HEREBY GIVEN, pursuant to Section 98 of the Insolvency Act 1986, that a Meeting of the Creditors of the the Creditors of the Creditors of the Western Home. So Dispusal Road. Creyston CRU 93H on 9th January 1997 at 2.0pm for the purposes mentioned m Sections 90, 100 and 101 of the and Act

in accordance with Scotter 99.23 by list of names and addresses of the Company's Cradines and addresses of the Company's Cradines will be a saintied by imposition, free of theirs, at Levy Geo. Western House. 30 Desputing Read. Cryolato CR6 DMH, as the two business days preceding the date of the Meeting, between the house of 10.00km and 4.00km.

INSOLVENCY ACT 1986 IN THE GUILDROND COUNTY COUNTY NO 46 OF 1996
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Dated December 30 1946 PATRICK MICHAEL BOTDEN Legarithm

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IE INDEPENDENT

nf global warming itself. The extra heat trapped by greenhouse gases changes the circulation of the atmosphere and may even disrupt major systems such as the Gulf Stream. If the changed circulation means that Britain gets more of its weather from the Arctic than from the Caribbean, global warming may

cause local cooling. Such predictions are hard to make and even harder to verify.

Grab your anorak for a virtual revolution

t's here. After all the hype about the information revolution, it is users seem a species apart, although finally happening. Hold on to your parka hood; it's time to handle some data. But first, a health warning: all that stuff about life on the global superhighway and people never leaving their houses - forget it. But there are a number of developments already under way that give us a clear picture of imminent and radical changes to the way we live our lives. In our pages today we can see the future, and it's on the phone.

Telephone banking is already with us. As we report on page 16, one-third of all British adults are expected to hank by phone within four years. With almost all bank notes entering the economy through holes in the wall, hank branches are rapidly becoming simply foyers for cash machines.

Another coming wave is supermarket home delivery. It may be expensive, but trials using the – whisper the word – Internet have been a success, and it could be done hy phone or fax, too.

Also on our business pages, we report plans by BT to offer free local calls in return for a higher quarterly flat fee. This will change both our psychology, and economics. If the marginal cost of using telephones, or the Internet, becomes zero, their continued massive expansion is guaranteed.

Of course, most of us are not on the Internet and have only the haziest idea what it means. The two million

Freeze points

Sir: Nicholas Schoon's report "So this is global warming?" (4

January) is a welcome reminder that despite the arctic conditions, global warming is still a very serious.

long-term threat which demands

urgent international action in

which Britain should take a lead.

The essential point is that these

freezing conditions are not a quirky

hut may well be linked to it. Global warming won't simply produce the Riviera on the Tyne, lt.

and floods, rising sea levels that will swamp coastal areas, threats to

supplies, and even (from a recent

government report of the Public

Health Laboratory Service) a risk that malaria, bubonic plague and other tropical diseases could return

Moreover, not only has the

build-up to global warming been very lengthy, but even if we now

atmospheric concentrations would

still increase at a nearly constant

controls following the 1992 Rio Summit are so weak that concentrations of carbon dioxide

rate for over two centuries. As it is,

are likely to reach about 500 parts.

per million by the year 2100 approaching twice the pre-

industrial concentration of 280

ppm in 1760 and well above the

is committed to cut CO2 emissions

We need to conserve energy

better, not waste it. Mr Gummer

last year made a huge cut in the

bome energy efficiency scheme: Lahour will expand it. We also

transport strategy to cut vehicle

emissions. The Government's

deregulatory philosophy makes

this impossible; Labour will make

need an integrated public

MICHAEL MEACHER MP

Shadow Secretary of State for

by one-fifth by 2010.

it a priority.

held the causes constant.

swings in temperature including

cyclooes and hurricanes, more "natural" disasters like droughts

grain stocks and world food

to Britain.

contrast to atmospheric warming,

to need for

their numbers are likely to double in the next 18 months. The rest of us are probably evenly divided between those who think the Internet is something we will have to cope with at some time, hut not yet, and those who think it is an evil conspiracy to be avoided at all costs.

In fact, although the Internet will change people's lives, it will do so piecemeal, as individuals choose to take it up and invent uses for it. In practice, only a small minority of people will be able to work from home, hut increasingly work will be computer-based and leisure will be computer-assisted.

Our Network supplement today carries the prediction that 1997 will be a watershed year for "media, communications and connectivity" in Britain and Europe. That is true as the Net grows cheaper and more powerful bome computers hit the shops, and digital television hroadcasts begin.

But the real revolution is not in the consumer's use of computers, which will continue to grow relatively slowly, but in the use of computers to allow companies to organise vast amounts of information easily. If millions of people have reasonably standard requirements for money, groceries, insurance and holidays, then they can all be handled by an easily-trained person on a phone headset in front of a screen.

Now, some people like going to the

ONE CANADA SQUARE CANARY WHARF LONDON E14 5DL TELEPHONE 0171-293 2000 / 0171-345 2000 FAX 0171-293 2435 / 0171-345 2435 hank and talking to a real person, and many people like supermarket shopping. But most of us don't, and this is another stage in the freeing from drudgery that technology has always promised hut not always delivered. This is cause for rejoicing. Let people do more interesting things than queue-

day. But there are caveats, One is that the benefits of the information revolution, inevitably, will come last to a group in society that is predominantly poor, uneducated and

ing, and we don't believe they'll choose

to sit in front of a computer screen all

The real information underclass consists not of the two in three of the population without a personal computer, hut of the one in 12 without a telephone. They are shut out now, and will increasingly he so in future, unless the Government acts to ensure that they can opt in if they want to.

Another warning concerns the need for competition. Three monopolies give rise to particular concern. The importance of the phone network raises questions about BT's dominance of its markets. Secondly, Rupert Murdocb's "first mover advantage", in the economist's jargon, in the field of dig-

ital television also alarms us. What is worse is the link-up between the two in the creation of a potential network of huge capacity which will eventually carry television channels, computer data and telephone conversations. There is already a "glass belt around the world" of fibre optic cable, and access to it must remain as free as possible. The third concern is the dominance of computer software by Bill Gates's Microsoft, which forces nearly everyone to use the Windows system. Mr Gates intends to extend this dominance to the Internet.

This matters because the Internet is coming of age, and apart from home shopping, one of its greatest impacts will probably be in education. Already, much of the world's academic com-munity is "on-line". The new millennium will see hig changes in schools. Tony Blair, like most politicians and indeed most voters, may be moderately technophohic (he has most of his speeches typed up from handwritten notes), but he has identified this as a priority, should he he elected this year.

It may be easy to look good on this in opposition, but it is difficult to argue that John Major bas shown any leadership on this issue. The Prime Minister has left it all to the good but junior lan Taylor at the Department of Trade and Industry, with the colourless

Roger Freeman responsible in Cabinet. Mr Blair, meanwhile, has responded

to criticisms, from this paper among others, of his "deal" to give BT the early right to supply Mr Murdoch's new TV channels in return for something the company would have done anyway: to

cable up schools and libraries for free. And he has been working on the more difficult question of how to supply schools with the bardware they need to gain access to the Internet.

These are the right issues for the future. Meanwhile, let's put on pur anoraks and do some virtual shopping.

Prescott misses the point

eave it out, John. Mr Prescott yes-terday plumbed a familiar depth of dismal predictability with his attempt to score a political point at the expense of Jerry Hayes, the Tory MP who was in love with a young man but, he says, didn't sleep with him. Imagine bow much more publicity Prescott would have attracted if he d simply said: "This is a private matter which has nothing to do with Mr Hayes's ability to serve as an MP." Yes. John Major's maunderings oo family values are vapid and hypocritical, hut so are Tony Blair's, and it is vain to pretend that no Labour MP has done or will do something as wildly foolish as the soon-to-be-ex-MP for Harlow.

• LETTERS TO THE EDITOR •



present 360 ppm. So what needs to be done? We need a much stronger international treaty at Rio II next December. with more powerful pressures brought to bear on offending countries. Mr Gummer likes to However, they illustrate the point that global warming will lead to claim that Britain is almost alone in changes in weather patterns that keeping to its CO2 limits, but that is leave some places colder, most hotter, and many facing instability, storms, floods, droughts and other "weird weather" events. Sadly, only because the Government decimated the coal industry and plunged the country into a five-year recession. He notably makes no commitments beyond 2000; Labour many politicians still cling to the

> CLIVE BATES International Institute for Energy Conservation London NI

more comforting idea of vineyards

m Suffolk and pavement cafés in

Sir: Coogratulations to Nicholas Schoon for his timely reminder of the persistence of global warming despite the freeze (4 January).

The Department of the

Environment's Review of the Potential Effects of Climate Change in the UK is forthright in its assessments. It warns that land below the five-metre contour will he at risk due to rising sea levels and the increased force and incidence of severe storms.

Unless drastic action is planned now, buge areas of Grade 1 agricultural land in Lincolnshire, Cambridgeshire and Yorkshire will suffer inundation and alination. Professor PETER F SMITH Royal Institute of British Architects

Eurobank please

London WI

Sir: The New Year is a time for new decisions. Could Parliament please call for the European Central Bank to be placed in London as a precondition for Britain joining the single currency? PAUL BELLAMY

Uncritical church | Dawkins more than those who aids Dawkins

Sir: Terence Conran's comments on the proposed Christian Centre in Battersea (letters, I Jan) are wide of the mark. Evangelical churches such as Holy Trinity Bromptoo are not empty. They are full to overflowing with eager young professionals seeking spiritual renewal. Nevertheless, rather than praising God for this, were I not a tolerant member of the liberal wing of the established Church my measiness would turn to alarm.

The successful HTB gospel is

one which calls us to a belief strongly based on evidence of direct everyday intervention of God in the material world. Miracles, supernatural influences on random events and direct manifestations of angels and devils are taken for granted. Having recently attended the well-known HTB Alpha course locally, I was amazed by the continual use of fervently believed anecdotes as evidence to support religious faith. The suspension of the normal critical faculties underlying all scientific progress which this implies is to me no different from accepting The X-Files as evidence for the devil.

Both The X-Files and supernatural religious phenomena are obviously popular, and I expect Prince Charles, Mr Costa and his supporters will get their Christian Centre. Even if it does no permanent damage, it helps the cause of people like Richard

quietly hope for a sincere accommodatioo betweeo religion and science, which is quite possible even though not as likely to fill 10,000-seater auditoria. RICHARD WOODALL Milborne Port. Dorset

Sir: While Richard Dawkins continues to point out the more obvious cootradictions inherent in religious belief, his detractors seek to refute him by speaking in riddles.

Gordon Whitehead (letter, 1 January) seems to imply that as long as somebody suffers following these sins we're all supposed to have committed, then the needs of divine justice are satisfied. If such a principle were to catch on at the Home Office, I like to believe there would he some sort of public

His analogy of Christ's paying our dehts like someone paying a criminal's fine is incomplete. It is more like the government specifically hiring someone to take on everybody's fines, then sacking them for it, but promising them a very good pensioo. We would then claim crime had been eliminated. Surely not even Michael Howard ... oh well, maybe. VYVHOPE-SCOTT Twickenham, Middlesex

Sir: N J Carr asks rhetorically (letters, 1 January) why the opinions of Richard Dawkins, a zoologist, should be solicited on theological issues. The question is disingenuous. Dawkins has never

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Fax: 0171-293 2056; e-mail: letters@independent.co.uk).

E-mail correspondents are asked to give a postal address. Letters may be edited for length and clarity.

written - at least oot in The Independent - about patristicism, Arianism, or the authorship of the Pauline epistles. He has, however, cootrasted the nature of the scientific quest for knowledge with the claims of revelation, and has dooe so fairly and authoritatively.

There is an essectial, not an

accidental, conflict between science and religion. It derives not so much from any particular scientific finding, such as the fact of evolution, as from contrasting attitudes to criticism. Science is a process of organised criticism, leading to contingent explanations that are in principle capable of being faisified. Religion, eveo in its liberal forms, depends on doctrine, not disinterested critical inquiry. The ad hominem attacks on Dawkins carried in your columns underline the point. OLIVER KAMM

Sir: Gordon Whitehead states that God is a just God and accuses Richard Dawkins of basing his opinions on only some of the relevant knowledge available to him. But if there were a just God be would, according to Bertrand Russell, expect men to make proper use of the reason with which he has endowed them and as he bas not supplied them with sufficient evidence for believing in his existence, he would be displeased with those who did so, like Gordon Whitehead, and pleased with those like Dawkins, who did not. LEONARD KOVEN

Turbine tip-off Sir: 1 would like to congratulate Duff Hart-Davis for having so succinctly summarised (Loog Weekend, 28 December) our five-

> turbine being erected in an Arca of Outstanding Natural Beauty.
>
> The developer, Dale Vince, has stated that he would like to erect a further 12 turbines in the area and that he is also looking for sites in the Severn Vale. So Slimbridge Wild Fowl Trust watch out! VAL EASTON Nympsfield Parish Council

Nympsfield, Gloucestershire

Museum to mark

Sir: It was high time somebody wrote your admirable leader about

coming into existence, in somewhat

Empire has bad to cootend with the

the end of Empire (3 January).

lengthy gestation, an institution

specifically dedicated to making

Our Museum of the British

peculiarly deadening aspect of

supposes that commemoration is

synonymous with celebration. We

are not setting out to celebrate the

idea nf imperialism. We are trying

significance of the British Empire -

everything bad about it as well as

and its weaknesses, its beauty and

its ugliness.

Bristol

JAN MORRIS

everything worthwhile, its strengths

Trustee, Museum of the British Empire

vear ongoing fight to prevent a wind

to commemorate the historical

political correctness which

However, may I remind your

readers that there is already

just the same points?

British Empire

is dangerous

Sir: Something has got to be done to stop this rash of dangerously knobbled paving slabs currently spreading over the face of England. Installed to help blind people find crossings, they cannot have been properly tested, for they are painful in walk on and dangerous. Healthy, and wearing sensible

Paving for blind

sboes, I have already twisted a foot on them. An acquaintance has sprained ber ankle. It can only he a matter of time before someooe has a serious fall and injures berself. A quick canvass of ntber

professionals in the field of disability has found that penple with walking difficulties are at risk nf tripping, and people with arthritis find them exeruciati painful. Old people are walking in the road and crossing in dangerous places to avoid them. Having trained blind people to

travel for over 20 years, I am naturally all in favour of marking crossing points - oot, bowever, at the cost of risking the safety of everybody else.

It is not necessary to go to such unpleasant lengths. Most of the thousand or so hlind people I have taught can detect quite minor changes of surface. ASTRID KLEMZ Rehabilitation Consultant Wells, Somerset

Quarantine dogs short of exercise

Sir: Brendan Halpin's contribution to the quarantine dehate (letter, 3 January) must be challeoged for his bland assumption that dogs in quarantine receive regular exercise. As a vet, he should know that many dogs are not allowed outside their kennel and individual run, many of which are totally enclosed without a view of another dog, and heoce are without the occotive to run up and down.

My own dog, who came with me from Hong Koog several years ago, was visited by me for four hours every day of his six months in the "slammer", as Chris Patten so trenchantly describes it. His was one of the better establishmeous some I inspected were appalling -and yet the kennel maids never had time to play with any of the inmates: they were too busy cleaning out and preparing food. It's oo life for a healthy, active dog.
JUNE PARRINGTON. Settle, North Yorkshire

Health masons

Sir: The debate concerning openness, freemasonry, the police and the judiciary (report, 19 December) should not be confined io incse groups.

The suspicion exists in medical circles that the network of Freemasonry exerts undue influence in the affairs of the Health Service. The suspicion alone could impair proper professional relationships, which

ultimately impact on patient care. Do the interests of the masonic protherbood abscure best advice? If change is needed to improve treatment, will a brother be discomfited by it?

An open, accessible Health Service register oceds to be set up of all Freemasons pursuing advancement in the Health Service and of those in established positions of responsibility. CR RAYNER MS FRCS Consultant Plastic Surgeon Birmingham

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anoth

A century of glossy squirearchy

What is the magic recipe that has kept 'Country Life' going for 100 years? Simple: the magazine sells a dream of rural bliss to the aspirational middle classes. By Peter Popham

cover seem wildly irrelevant, a hotchpotch of commercial red herrings: cocoa, whips, ladies' bicycles, "Old Gran's Special Toddy". "Vigor's Horse-Action Saddle" shares page two with Anglo-Bavarian Ales from Shepton Mallet. But as early as page three of the first issue of Country Life, from 8 January 1897, we arrive at the heart of the matter. Messrs Walton & Lee, Land Agents of and ceiling work ... Grosvenor Square, are pleased to announce "IN THE GRAFTON COUNTRY - For SALE, a nohle MANORIAL DOMAIN ... The Mansion ... contains eight reception rooms, 36 bed and dressing rooms ... The Estate ... includes nearly the whole of a very picturesque

Might that suit your lordbeautiful old CASTLE on the first issue. banks of the Wye, together with shooting over 20,000 acres would be more your style? Or "one of the most celehrated Elizabethan MAN- forgets all about it; hut pull up SIONS in the Kingdom, standing in a magnificently timbered it is, hurbling and hubbling deer park of about 250 acres ... full of historic interest, being IIs former rivals and peers have associated with a well-known

ersevere. The items escapade in Shakespeare's The Field) or even annual (the on the first front career"? Illustrated London News).

And for the aspiring lordship still obliged for the time being to show his face in the Smoke, yourself to its poky dimensions. Although not on large lines (12 hedrooms, hall, four

reception rooms) ... it is remarkable for its splendid panelling From the word go, Country Life, co-founded by that

genius of popular journalism, Sir George Newnes, the man who devised Tit Bits, knew exactly what it was doing: and the resource that has kept it in the hlack for 100 years, the genteel English pornography of country house advertising, ship's requirements? Perhaps a defined its character from the

> Country Life is like an underground river, one of those tinkling brooks that splosh away underneath London. Everyone a drain cover one day and there along the same course as ever. vanished, or gone monthly (like

Those that survive - the Railway Magazine, for example, also celebrating its centenary, as a recent issue of Country Life was generous enough to men-tion, or Horse and Hound are more dingily specialised. But

Country Life is what it always

has been: pages and pages of

gorgeons houses bleeding into antiques and pictures; a nice-looking young gel on the frontispiece; and another 40 pages or so of classy rural this and that: gracious homes, Sloaney fashion, gardening, more prop-erty, a hit of travel, a dollop of wild life; and a final helping of

glossy advertising,

property in the stylish form of Carla Carlisle's Spectator col-unn, England viewed by a witty American through the windows of her substantial home - a blast of sticky pudding to leave you pleasantly sated.

Country Life's survival for a century as a weekly is unusual hut not in itself miraculous: the magazine is umbilically tied to a property market which needs its premier notice-hoard to appear this frequently, and as long as there are rolling acres

conveyancing clerk from Cumherland called Edward Hudson. The idea for the magazine was dreamed up over a game of golf - a new fad in England - in the semi-rural setting of the Chilterns, probahly in 1895. Newnes had already made a fortune out of popular journalism, and within eight years of the magazine's first appearance he sold out to

No one seems to have taken

for sale and aspiring squires to hanker after them, Country Life's survival is probably guar-

COUNTRY LIFE

LIUSTRATED

Hotel -

However, there is no reason why it should have survived as the readable, sporadically interesting magazine it is today. And under the editorship of Clive Aslet, from time to time it comes perilously close to being vibrant: he has aired debates about BSE, and the rights and wrongs of controversial organisations such as the Royal Society for the Protection of Birds, and argued powerfully in a recent editorial against introducing admission charges for London's museums. If the magazine is snobhish to the soles of its boots (which it surely is), it avoids the Tatler-esque trap of vulgar snobbery with assurance born

of 100 years of practice. The men who founded Country Life were all thrusting metropolitan businessmen: and the relationship became George Newnes himself, intensely symbiotic: Lutyens George Riddell, son of a Brix- gave the magazine taste and

ton photographer who eventually shouldered his way into a peerage, and the man who dominated the magazine for the first 35 years of its life, a former

to Hudson. In his book on the magazine's centenary, entitled The English Arcadia, Roy Strong quotes Lytton Strachey describing him as "a patheti-

cally dreary figure ... a fish glid-ing underwater, and star-struck. looking up with his adoring eyes through his own dreadful element". "He was plain," another observer declared,

with a large head and a long upper lip covered in a scrubby moustache. His arms hung at his side as though they were not needed," Another acquaintance called him "a gargoyle of monstrosity" who gave her "the cold shudders".

He was, however, very good at what he did, and Country Life thrived under his direction. He imbued it with all the charac-teristics for which it is still famous: he exploited the latest photographic technology to give maximum impact to the large, sensitive photographs of country houses, villages and landscapes which sprawled across its pages. He forged a connection with the great English architect Edwin Lutyens,

> vision, and an intellectual hackbone to its posture of aesthetic reaction; the magazine gave Lutyens a regular platform for his work and ideas. He designed

the magazine's offices, in Covent Garden, as well as the country house where Edward Hudson began to live out the squirearchical fantasies he was doing so much to prop-

What makes Country Life peculiarly English, and peculiarly baffling to foreigners, is that while its appeal would appear to be narrow (its circulation is pegged to ahout 41,000), it is far more than a sort of house magazine for the landed gentry,: it can plausibly claim to have a much larger significance. When Auberon

umentary on the magazine, "You feel more in touch with England through Country Life than through any other publication," he meant, in touch with England's soul. Clive Aslet makes a similar claim: the magazine he says, is "a construct of

national identity. What makes the English different from other people? A good starting point would he Country Life. Ten years ago one would have had little hesitation in saying that, to the extent that this was true, it was a very bad thing. In 1981, in his book English Culture and the Decline of the Industrial Spirit (Penguin),

the American scholar Martin Wiener argued persuasively that it was the obsession with social betterment that drained 19th-century End land of its industrial

commercial and vigour: the children of the creators of the Industrial Revolution went to public school, studied the classics, poured their money into grand houses, and proceeded to waste their lives chasing foxes. Professor Norman Stone

makes similar points, summarising the views of another scourge of the nouveaux riches, Correlli Barnett. "Instead of teaching technology, schools were designed to produce little Anglicans. It was taught that rural life was superior to urban, that industry was smelly, that moneymaking was vulgar. Greek rather than science was crammed down little throats. A Harrow would take the little Gladstones or Tennants, make them talk proper, marry them grandly, place them in some governor-generalship, and turn them into useless

when the photographer from Tatler came around ... The sentimental worship of

the rural idyll, it is argued, inflicted the entire nation with a dreadful lethargy: as Marx complained when England failed to embrace revolution, the English middle class reached from the aristocracy to the upper working class; and all succumbed to the same primitive magic. The officer class in the First World War may have been donkeys leading lions to disaster, but when Counby Life splashed its

luscious spreads of places such as Northborough Manor over images were taken to epitomise not persistent social injustice, but the defiant soul of

the nation The rural mythology seeped down the decades of this century like some irresistible miasma, choking Englishmen from left and right, spawning a million Tudorbethan semis, miniature country houses every one, eliciting the "old maids hicycling through the mist" rhetoric from Orwell and its echo 50 years on by John Major perhaps the most resonant words our Prime Minister has

ever spoken. We all fall for it, generation after generation: the opiate of rurality, "Brideshead remar-keted" as staff at Country Life sometimes refer to the phenomenon. The result? To quote Stone again, "Profitability de-clined; the country's exports were overtaken even hy shat-tered Germany's in 1952 ... All of this ... really reflects a fail-Waugh said in the recent BBC2 attitudinisers, only coming classless get-up-and-goers in

Victorian times had generated gutless rentiers, being self-consciously 'nice'."

The genteel English

pernography of country house advertising that

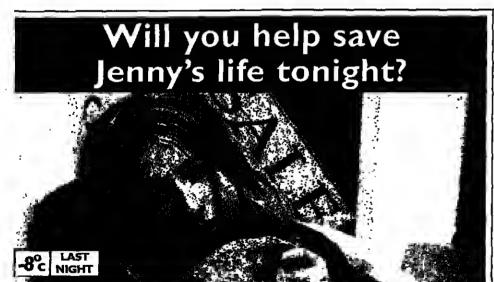
has funded the magazine for 100 years, was

present in the first issue

Clive Aslet, extremely nice himself and resplendent in a green three-piece corduroy suit, has no very withering retort to all this; being withering is not really his style. But what he would say is this; "You could argue that Britain is a much more attractive place than the United States, say, where industrialists only want to go on being industrialists, and where plutocrats only talk to plutocrats. It's quite civilising if someone who has made a ton of money, either through being an industrialist or a pop star, should think, there are other things in life ... There is a value in beauty, a very civil-

ising value. After the rigours and eco-nomic reductionism of the its wartime issues, the Thatcher decade, one is tempted to acknowledge the point - anything that can insert a chink of doubt in a tycoon's brain can't be all bad, even if it's no more than a nagging sense of social inferiority. Michael Heseltine is perhaps the archetypal Country Life Englishman: not only does he own a large country house, but also, famously, he had to buy his own furniture. And Country Life is his favourite magazine. His wife Anne tells how he devours it in the bath on Friday nights: "It's always damp and crum-pled when he's finished with it." Think how driven and predatory Heseltine was in his prime - then imagine how much more alarming he might have been without his weekly steeping in

the English dream. "Our readers are really wonderful," Clive Aslet tells me as he ushers me out. "Because they're so civilised, really they're really wonderful people actually." And he subsides in a fit of joyous giggles at the very ure of will. The generation of thought of how wonderful, how



Jenny sleeps in a shop doorway - but not to queue for the sales. She's there because she's homeless. All she wants this winter is to survive but without help, she may not.

Jenny has learned to cope with dirt, hunger and illness - but harsh weather could finish her off. Last winter, in London alone, 74 people perished while sleeping rough.

You can help Jenny - and hundreds like her - make it through winter. Send £25 to Crisis today. We'll use it to give a vulnerable homeless person food, warmth and shelter at one of our emergency cold weather shelters. £25 is a small price to pay to save a human life. But it could be the

most important saving you'll ever make. Crisis Winter Emergency Yes, I'll keep homeless people warm: □ £15 □ £25 □ £50 □ £250° other £ I enclose a cheque made payable to Crisis. OR dehit my: ☐ Visa ☐ Access ☐ Switch[†] other___ Card no. / / / / / / / / Switch issue no. / Gifts of (250 or more are worth almost a third extra to us under Gift Aid **CRISIS** Name (caps) Mr/Mrs/Ms _______

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All the right answers, without question

ell, if you haven't tackled our Grand Christmas Quiz by now, you never will, so here

are all the answers. 1. It is the title chosen by John Major with which he will enter the House of Lords if and when he loses

the next election. 2. A potato shaped like Esther Rantzen. It is the term used tn describe an illegal immigrant who escapes from

the United States across the horder into Mexico. 4. A secret Labour Party plan to prevent Chris Patten from returning to Britain from Hong Kong.
5. A "Janet" is Cockney

rhyming slang for an "over-priced drink". (From "Janet Street-Porter" and "bottle of sparkling water".)
6. Martin Amis's height in

centimetres, as it makes him sound taller. 7. The theory that the pop group Oasis is just a mirage. 8. The nickname given in Westminster to a happily

married Tory MP. 9. His argument was that if telekinesis really existed, we would be able to use the process to smuggle

drugs invisibly across

borders. 10. His name means "son of the desert". "Rif" is the name of a Moroccan desert tribe and "kind" is the German for "child", so Rifkind means "son of the

desert". 11. The correct quotation is: "Many people have married into the Royal Family, but she is the only one who has ever divorced

12. A small tribe in Africa which thinks that Mark Thatcher is God. 13. Michael "Knee Jerk" Howard.

14. Anthea Turner. though she has always

15. Arsenal, in 1956, wearing red shorts and white shirts. They were later released on bail, and charges were subsequently

dropped. 16. Michael "Me next" Heseltine. 17. The correct adjective to apply to Tetley, sponsors of England's touring cricket

team, is Bitter. 18. "Ranulph" is Cockney rhyming slang for baked beans, as in "Eggs, bacon and



Miles Kington

Ranulph, please". ("Ranulph Twisleton-Wykeham-Fiennes" and "Heinz".) 19. Miguel "Michael" Portillo.

20. It was the first time a judge had ever accepted disco deafness as a legitimate defence, ie. diminished responsibility

due to excessive noise levels. 21. Michael "Who?" Forsyth. 22. Sir John Lennon 23. A "Fearnley" is

Cockney rhyming slang for a no-score draw. ("Fearnley-Whittingstall" and "nil-all".)

24. Michael "Oops!" Atherton. 25. It is the name of a

Swedish tribute pop group formed in imitation of the Spice Girls. 26. Ben Eltnn's uncle.

27. They have all refused in go on Desert Island Discs while Sue Lawley is in charge. 28. "Parker" is Cockney rhyming slang for All Souls College, Oxford. ("Parker-Bowles" - "All Souls".)

29. The serial port is already open or in use. 30. According to Ladbroke's, the odds against a Peruvian immigrant ever becoming Prime Minister of Japan are 1,000,000 to 1. 31. Nut according to the

old Latvian proverb. 32. She is the real-life person on whom Dawn

French is hased.

33. He is the Irish cabinet minister in charge of making sure that Ireland never again wins the Eurovision Song Contest, nr at least not this century or at least not this year, nr at least let's all go out and get legless on

the prize money if we do. 34. "Sebag" is Cockney Night of the Proms".

("Sebag-Montefiore" and 'Land of Hope and Glory".) 35. The odd nne out is McDonald's. All the rest are

restaurants. 36. "Mountbatten's Revenge" is the name given by Indian visitors to Britain to the frequent stomach upsets they get while staying here and

eating our strange cuisine. 37. It is the name given in show business circles to a book which has neither been considered by Andrew Lloyd Webber as a possible musical nor by television as a potential period drama. Wisden and the York and Harrogate Telephone Book are two examples which

spring to mind.
38. CPRE stands for "Costume and Period Research Executive". It is the all-powerful body which acts as a channel between different TV drama departments and makes sure, for instance, that two rival versions of Edwin Drood are not going into production.

39. Because Oprah is Harpo spelt backwards.
40. It is the only vegetable with proven aphrodisac

Tory talk of family values covers another betrayal

The cockles of many a heart may have been warmed over yesterday morning's breakfast tables. No sooner had John Major uttered the cursed words "family values" than one of his own betterknown married back-benehers was revealed in a scandal sheet to have been canoodling with an 18-year-old boy. Broad grins broke out, no doubt, in many households. Tee hee.

But in fact Major had heen careful in his use of words when he wrote the article last Friday in The Daily Telegraph to launch his new election themes. So careful indeed, that he in fact said nothing at all. The windy nothingness of his words may be a dismal harbinger of the low level of debate we can expect: family and nation, that's

There is not a sentence in it that might not have been said by any politician anywhere. Certainly Blair and even Ashdown could have spoken the very same words: Both the family and our nalion are central to the security of the individual." The essential pur-pose of Conservatism (or Labour, or whatever) is to conserve what is good and tried and reform when it is essential to do so ... A society which is generous to those in need, but does not tolerate those who seek to abuse that generosity". (Lack of a verh in a sentence is universal politispeak.) "... A society in which individuals are much more than statistics to be patronised, sorted and ground down hy impersonal stale bureaucracies". And so on.

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MARCHON TON

These days politicians say less and less. They leave no fingerprints; they preserve deep deniability. If challenged, they never quite said it. They are Macavities who write in invisible ink. And so the significance is all in the spin, telling us what the Prime Min-

isler meant but never in fact said. This is the Telegraph front page spin from "close aides" and "one source": "Fresh help for families and parents to reassert themselves over faceless hureaucrats and politically correct social workers is to be pledged by John Major as a key theme of the Torics' election campaign." He will offer the "family" and 'nation" as a counterbalance to Blair's "stake-

holder" society. But what does that mean, in practical terms? "Mr Major has already pledged a reform of the adoption system in an attempt to stamp out political correctness ... There is concern that too much of what social services are doing in the way they intervene in family life is driven by politically correct views ... It is not their job to focus on every minor disadvantage a child might suffer."

Now all this is distinctly odd. What are the pressing social problems that worry the voters? Crime? Poverty? Fecklessness? Unemployed youth? Neglected or truanting children? Schizophrenics abandoned in the community? Old people failing to get community care? No. apparently none of these. Too many social workers are the problem - interfering with our children, checking on safety in the home, bothering perfectly happy grannies, annoying the weirdos who shout in the street, pestering the homeless in their sleeping-bags, breathing down all our necks and dominating our lives. The new slogan is Free Us From Social Workers! If this is an election winner, well, the mind boggles.

Now "Social Worker" may be an amusing

Telegraph portmanteau term of abuse, but out thousands of children will be wretched.



Polly **Toynbee**

The families

John Major's government is pledged to preserve need a lot more help. But behind his rhetoric is a plan to

they barely see.
Families, (yes, those families
Major is pledged to preserve,
under stress from illness, drink. depression, drugs, mental prob-lems, and handicapped or sick children) can often get little help until the problem reaches the point of family collapse. Some social workers have a case load of 40 children at risk. give them where each family should be visited at least once a week and the very in times of crisis may need much more. If a child dies, who gets blamed first? The social opposite

Seriously mentally ill patients are all supposed to leave hospital with care plans and a named social worker or community

there in the real world, this is

There are children on "At Risk" registers with no allo-

cated social worker. There are

now fewer on the register, but

probably no fewer children at

risk, just fewer social workers to register them. Fewer children

are in care, but it is doubtful

that there is less need. Many

children in foster homes and

residential care barely see a

social worker from one month

to the next. Foster parents at

the end of their tether com-

plain they get no help until the relationship has broken down

In schools, education welfare

s almost a thing of the past,

Most teachers struggling with

children causing mayhem or with appalling home problems

cannot reach a social worker

unless the child is in serious

danger. The growing number of excluded children roaming

the streets often have no social

workers, or perhaps one whom

irreparably.

what actually happens:

nurse. As we know from a host of murders and suicides, it often doesn't happen. Old people who used to be in residential homes can manage in the community only if they have social workers to arrange the right services for them. But many do not.

The Government is in the process of reviewing social services, while boasting that there has been a real increase in resources over the last 15 years. But the closure of thousands of longstay NHS geriatric beds, council residential homes and mental hospitals means that the

extra money is nowhere near enough The Telegraph's interpretation of the words of John Major indulges in the dreams of the good old days when no one needed social workers. Responsible adults used to stop children in the street to ask why they weren't in school. They used to look out for their elderly neigh-bours. "Now, this is seen as the Government's job." This is, of course, social history as utter bunk. If the Telegraph is right in its inter-pretation, John Major's family values means the state abandoning families in all sorts of trouble.

"Family" can sound like a warm word, or a threat, depending on who's talking. In the mouths of politicians it's always a threat. A good family for all is not something that governments can offer. Tougher divorce laws or tinkering with the tax and benefits system will make no difference.

The one really useful thing that governments can do is to provide enough highly-trained social workers and support services to keep disaster families on their feet. The alternative is to allow them to collapse, and take the children into care. And that, for all his new rhetoric ahout family values, is what John Major, it seems, now intends to do. The consequence for

Why today's man is losing his virility by Liz Hunt

Q: What links organic vegetables, London tap water, "gender-bend-ing" chemicals, sight underpants and membership of the Majia?

Il the above have been blamed for a fall in the number of men able to produce sperm in normal quantities at some time in the past five years. Low sperm counts are a characteristic of Mafia members, according to one, somewhat suspect, study, while men who eat organic vegetables can, it is claimed by other, more reliable researchers, boast dizzying amounts of super-sperm.

Sperm is always good for a laugh - or a headline - and the latest research from Finnish scientists is no exception. Examination of testicular tissue revealed a dramatic drop in the number of middle-aged men capable of producing normal sperm, from 56.4 per cent in those who died in 1981 to just under 27 per cent in those who died in 1991. The weight of the men's testicles also diminished over the decade; their seminiferous tubules were smaller, and there was increased fibrotic (useless) testicular tissue.

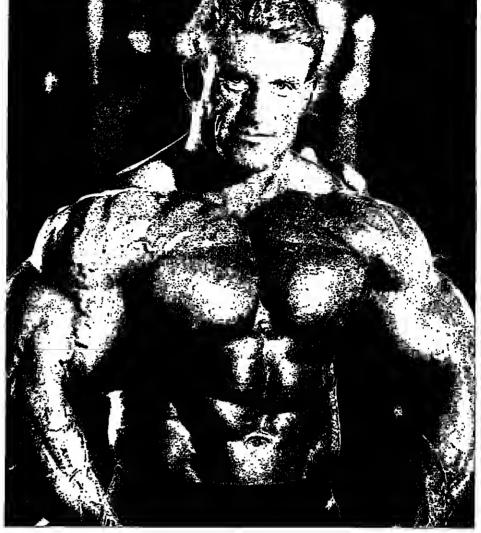
With falling sperm counts and more defective sperm being reported throughout Europe and North America, The study, published last week in the British Medical Journal, appears to furnish more evidence that not only is the very essence of masculinity threatened, hut also the future of humankind. Or is it?

The contribution of Dr Jarkko Pajarinen and his team at Helsinki University is yet another piece of the complex puzzle that is the Great Sperm Debale. It is significant because the scientists looked at sections of testes removed from more than 500 cadavers. They did not rely on sperm counts, which are unreliable, subject to numerous confounding factors and with wide variations in methodology. The changes they observed between the two groups of men also took place over a short time span, which added to the enormous scien-

tific and public interest. The findings are "quite dramatic", says Dr Stewart Irvine, director of the Medical Research Council's reproductive hiology unil in Edinburgh, which is at the forefront of research into the potential sperm crisis. "It suggests there is something interesting about the population they were look-

And yet there is no hard evidence so far that fertility is declining. "That might be because we are well within safety margin [of sperm levels]. It is anybody's guess what level of sperm is too low," Dr Irvine says. In addition there have been about 10 good papers published, most notably from scientists in New York and Seattle, which have reported no drop in sperm counts or semen for the changes being observed.

the "oestrogen hypothesis", still ies in France and Belgium 1994 confirmed and streng for the changes being observed.



Sperm counts have fallen dramatically in the past decade – and scientists are looking at oestrogen as the culprit

quality - though medical jourhals are less keen to publish, male fertility specialist at the Sharpe and Skakkeback proand newspapers less keen to report, findings which detract

from the doomsday scenario. That is not to say that something worrying is not going on in the reproductive tracts of men worldwide. Fewer, less mohile sperm, more defective sperm, together with escalating rates of testicular cancer, undescended testes in childhood and other testicular abnormalities, suggest that something is

Later this month the United Nations will host a two-day conference in Washington DC when around 70 experts will debate the need for global coordination and research into sperm counts, semen quality, and testicular abnormalities and disease. The most likely outcome is that the UN will endorse such a project and one of the research priorities will be

It was Dr Richard Sharpe, a In their Lancet paper, MRC's Edinburgh unit, and Professor Niels Skakkebaek of Copenhagen University, who, in a paper published in The Lancet in May 1993, first proposed that the female hormone oestrogen was implicated. Professor Skakkehaek is the man credited with alerting the world

to the possibility of falling

sperm counts in 1992, when he

showed that sperm counts in

healthy men appeared to have dropped by more than half in

50 years. The Skakkehaek team reviewed studies involving almost 15,000 men between 1938 and 1992 and found that the average sperm count had fallen from 113 million per millilitre in 1940 to 66 million in 1990. The definition of a "normal" sperm count fell from 60 million per millilitre to 20 million in the same period. Two studies in France and Belgium in 1994 confirmed and strength-

than the normal level of oestrogen - in natural or synthetic forms - in the womh at a critical period of foetal development could he responsible for the ahnormalities of the reproductive tract. A possible culprit was a drug known as DES (diethylstilboestrol), taken by

Moreover, the exposure to oestrogen of the general population has increased signif-

vent miscarriage.

six million women worldwide

between 1945 and 1971 to pre-

icantly since the Forties through the consumption of hormone-boosted dairy produce, the contraceptive pill, other drugs containing synthetic oestrogens and a wide range of man-made chemicals that mimic the effect of oestrogen. These so-called "gender-bending" chemicals occur as phihalares in plastics and food packaging, in detergents and pesticides such as DDT, in exhaust fumes, as PCBs in electronics - and, at very low levels, in some baby milks, which

prompted a scare last year. These "false" oestrogens are difficult to break down and persist in body far longer than natural oestrogen, to levels 100 or 1,000 times greater than background levels. The result may be devastating for oestrogen-sensitive tissues in the body; the reproductive tract. the breast and womb, and, most worryingly, the develop-

ing foetus. In July 1995 Professor Lewis Smith, director of the Institute for Environment and Health at Leicester University, reported on a review he has conducted of international research. He found an abundance of circumstantial evidence for the oestrogen hypothesis. There was no direct causal link but he did not rule it out, and the Government gave an undertaking to scrutinise more closely the genderbending chemicals.

The starting point for the oestrogen hypothesis was a wildlife haven called Lake Apopka, near Orlando. Between 1980 and 1984, the death rate for alligator eggs on the lake was found to be running at around 96 per cent, compared to a figure of 57 per cent for lakes nearby. Scientists called in to investigate found numerous sterile male alligators with shrunken. useless penises. A tentative link was made with an aceidental spillage of thousands of gallons of DDT into the Similar phenomena were

then reported in the Great Lakes of North America. The on the south coast of Britain female dog-whelks developed "pseudo-penises" and "feminised" male fish were found near the sewage outlets in British rivers. Oestrogen was

These pieces of the puzzle have fitted together neatly enough to please the environmental lobbyists, who now hlame gender-bending chemicals; but scientists have yet to be convinced. A conclusion may be some way off.

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Labour may gamble on electoral reform Tony Blair is determined not to repeat one of Kinnock's big blunders, argues Donald Macintyre

talks are already developing: it's likely

To one who worked in Neil Kinnock's election team will ever forget that dreadful last Monday evening of the 1992 campaign when Alec Dunn, a 20-year-old electo: from the super-marginal con-stituency of Bolton, asked the Labour leader "where you personally stand" on proportional representation, and painfully skewcred him in front of a national Granada TV audience by refusing to give up when he waffled in reply. As follows:

Kinnock: "Yes, well I'd be delighted to tell you ... hut not at this juncture."
Laughter. "Oh, I'd be delighted to. But what I do ...

Dunn: "It's either yes or no, isn't Kinnock: "Yeah, sure. Well as you

may know Mr Dunn ..." Dunn: "Well, either you do agree with it or you don't agree with it."

Kinnock: "Well fine, ah no, it isn'l quite as simple as that, not where I'm sitting.

And so on, too painful to repeat. Liberal Democrats often talk about that evening when they argue, as they are currently doing with ever greater intensity, that Tony Blair will have to declare before polling day what he mtends to recommend in the referendum on electoral reform which he has promised. A referendum, however desirable. is, as Paddy Ashdown again put il yesterday, no substitute for an opinion. If the people are to be asked to decide whether they want the biggest change to the electoral system

since women got the vote then what the prime minister of the day would himself think is quite a pertinent matter.

And do not be deluded: it is precisely a pre-election commitment by Tony Blair to recommend change to Britain's first past the post system that the Liberal Democrats want. It's that which will be the glittering outcome of the "secret" lalks that have been going on between the two parties since they were announced at a press conference more than two months ago. The mechanics of introducing legislation of devolution, on reforming the House of Lords, on a Freedom of Information Act are serious topics. Some of it will be awe-inspiringly difficult to get through the House of Commons and an inter-party agreement on how to do it would he well worth having. But Blair's agreement to go into the election committed to changing the system by which MPs are elected is what they really want.

It's tempting, therefore, to buy the Liberal Democrats' argument that if only to avoid a repeat of the Bolton fiasco Blair will firmly declare his hand before the general election in favour of changing the system. There is a powerful case for doing so. By deciding in favour of change to a more proportional system before the election, he climinates the risk that if he does so after the election he is seen to be doing so merely for reasons of

expediency. What's more, a commitment to



Paddy Ashdown and Tony Blair see mutual advantage in PR

the Alternative Vote system which would certainly give more seats to the Liberal Democrats but which is not fully proportional.

But for all the spate of weekend reports that something very big has happened already in the inter-party talks, it hasn't. Blair has certainly started thinking about electoral reform. Bul some of those very close to him still insist that the likelies outcome is that he will say again publicly that he "is not persuaded" of the case for change, and that the Liberal Democrats would be unwise to try to

change could mean no more than the contrary. Finally, Blair isn't going to get himself into the mess that Kinnock did in 1992 because he can hide hehind his commitment to hold a referendum on electoral change.

But the focus on what Blair will or won't do before the election also misses a higger point: that there is now a dynamic for a seismic change in the British political system. In theory, the Liheral Democrats won't agree lo a formal co-operation pact without a commitment to House of Commons clectoral change. In practice, senior Liberal Democrats are already talking more emolliently about a "sliding bounce him into a declaration to lhe scale" of co-operation. And those

timetable, and the range of options that a referendum would offer. It is a near certainty that Labour will commit itself before the general election to PR for the European elections in 1999. Such a move wouldn't, of course, satisfy Ashdown. But it would strengthen his representation in Strasbourg and make it extremely tempting for pro-European Tories to test the water for a new party by campaigning on a separate platform.

that they will map out a detailed

And that is a clue to the big picture. Because in talking about a new politics of the centre and centre left, Blair is not just making a point about Paddy Ashdown. He believes that Kenneth Clarke also has more in common with him than with most of the 1990s Tory party.

In theory a long-term Blair hegemony could be sustained without electoral reform; in practice it's much likelier that it needs a change to the electoral system to flourish. Clarke is much likelier to split the Tories by forming a pro-European party than he is to defect to Labour. John Major was exactly wrong yesterday to say that PR would offer less ehoice rather than more: it offers the chance of several more parties and a much more calibrated ehoice for the electorate. It's still possible that Blair will advocate change before the election. But it's a much safer bet that he will do so when it comes to

obituaries / gazette

General Sir Ian Riches

In November 1944, from the comparative warmth of the Royal Marine Office at the Admiralty, lan Riches was thrust into command of 43 Commando, who were up against the German XXI Mountain Corps in the inhos-pitable and bleak mountains of Yugoslavia.

The Marines had no adequate cold-weather clothing and Tito's partisans, aware of the approaching Red Army, were proving amhiguous in their support. Riches, however, quickly imposed his authority and, although some of the changes he made were not popular, they were necessary. Although coming late to com-mand, as many had expected Riches made his mark and success was to follow.

In January 1945, 43 Commando were withdrawn from Yugoslavia and arrived in Italy as part of 2 Commando Brigade as a preliminary to taking part in the 8th Army's forthcoming offensive against Kesselring's defences south of the Po valley. In the weeks that followed, Riches put his commando through an intensive training

The task given to 2 Com-mando Brigade was to clear the German defences on the eastern side of Lake Comacchio up 10 the line of the Valetta canal. For several nights before the attack, while 43 Commando made recce patrols, 40 Commando diverted the Germans' attention by playing Wagner very loudly over the loudspeakers. Amidst even greater noise, 43 Commando launched their night attack on 2 April and quickly gained their first ohjective, "Joshua" (all the enemy's defended areas had hib-lical names). By 8.45am Riches had his men across the river

positions. 9 Commando had been unable to pass "Leviticus", and the task now fell to Riches' men. By mid-afternoon 43 Commando had overcome extensive minefields, dykes and machine-gun positions and had succeeded in their attack. As the commandos moved inexorably forward, the point section was held up by machine-gun fire. Corporal Tom Hunter recognised the severity of the situation and charged and captured a number of positions, constantly calling celerated promotion to cap-

and was attacking strongly held

for fresh magazines. His extraordinary courage enabled his men to reach the canal bank before he was killed. He was awarded a posthumous VC, the only VC awarded to the Royal Marines in the Second World War.

Riches' preliminary planning had been precise and his leadership throughout the battle first-rate. His men fully deserved the 8th Army Commander's congratulations on "their magnificent fighting spir-it". For his part in the operation, Riches was awarded the DSO.

Ian Riches was commis-

sioned into the Royal Marines in 1927. After completing his training he joined the battleship Queen Elizabeth, flagship of the Mediterranean Fleet, which presented a challenge to the young lieutenant as there were constant calls for guards of honour and ceremonial parades. He was quick to spot the gain for his corps from a wellexecuted ceremonial. During the Abyssinian crisis he used his signals training to good effect and also qualified as an interpreter in French and Spanish. In 1936, after receiving actain, he was appointed Adjutant Plymouth Division RM, an appointment widely regarded as a stepping stone to higher rank. In Riches' case this was certainly so. Soon after the start of war he was selected for the Junior War Staff at Staff College and on completion was appointed Suez crisis of 1956. 1n 1957 his promotion to Brigade Major of the newly formed 101 Royal Marines Brigade. During this time he took part in the abortive expe-

number of headquarters ap-pointments with the Royal Marine Division until called upon to command 43 Commando. In 1946 he commanded the Signal School, and, in 1948, 42 Commando based at Malta. Shortly after arriving he was ordered at four hours' notice to move to Palestine to help oversee the final days of the British mandate. Here Riches firmness and tact were much in evidence.

dition to Dakar. He graduated from Senior Staff College, and

from 1942 to 1944 served in a

After his return to Malta he was sent with 42 Commando to Hong Kong on external and internal security. He relinquished command in 1950 and was emhased, though operating with the commando ship. He thereployed in a number of opera-

tional and staff posts, including command of 3 Commando Brigade in the Canal Zone. In 1954 he put his brigade through an extensive training programme with ships of the Amphibious Warfare Squadron. This training proved invaluable when landings were for real during the

Major-General in charge of Portsmouth Group Royal Marines was welcomed within the corps. It was an appointment he also enjoyed. In 1959 he was promoted Lieutenant-General and appointed Com-mandant General Royal Marines. He look office at a time when the corps was facing new strategic requirements. The aircraft carrier HMS Bulwark was being converted to a commando ship role and so like-wise was HMS Albion. However, he strongly opposed the view held by many in the Royal Navy that a commando should he permanently em-harked. Riches insisted that a commando was a military unit and would need to be trained as such and should be shore-



fore felt a sense of pride when 42 Commando landed by helicopter from Bulwark in Kuwait in the face of invasion from Iraq. Riches was promoted Gen-

eral in 1961 and, on his retirement a year later, he took on a number of responsibilities. He was Regional Director of Civil Defence and Representative Colonel Commandant until Max Arthur

Ian Hurry Riches, soldier: born 27 September 1908; DSO 1945; Commandani-General, Royal Marines 1959-62; CB 1959, KCB 1960; Regional Director of Civil Defence 1964-68; Representative Colonel Commandant 1967-68; married 1936 Winifred Layton (two sons); died 23

Professor Dame Elizabeth Hill

Eccentricity characterised Elizabeth Hill's academic achievement. In scholarly terms, she was both a nonentity and a colossus. She wrote almost nothing original, yet she was the direct inspirational force be-hind dozens of serious articles and books by other people. As Professor of Slavonic

Studies at Cambridge University for 20 years, she was a poor teacher of literature but, paradoxically, a powerful inspirer of love for the Russian writers. and also a brilliant, though terribly demanding, language in-structor. Undergraduates loved her as a person but went else-where for their lectures and supervisions. Postgraduates, however; derived enormous benefit from her in many areas. She found them jobs, suggested research topics, showed them how to compile a proper hibliography, gave them hooks on long loan from her massive library, followed their progress and rejoiced in their many

Long before her untimely death she had the satisfaction of seeing her protégés ensconced in high academic positions the world over, especially in Britain, steadily purveying the love for Russian culture which they first learnt

Yelizaveta Fyodorovna (her name in Russian usage) came from a prosperous Anglo-Russian family, her mother Russian her father an English husinessman (Frederick Hill); they fied from Russia for their lives in 1917 and ended up impoverished in London. Lisa, barely 17, began a succession of language teaching jobs before entering University College London, where she gained a First in Russian in 1924 and a PhD in 1928, though her first university appointment was delayed until 1936, when she went to Camhridge as

Lecturer. Her big opportunity came during and after the Second World War, when the Government gave her the joh of training young recruits to read and speak Russian, Eventually their numbers ran into thousands, every one of whom would look back on this rigorous intellectual and cultural education as an immensely rewarding experience. Hill was appointed as the first Professor of Slavonic Studies at Cambridge in 1948, a position which she held for precisely 20 years.

A good example of Hill's capacity for long-standing friendships, and her Christian sense of love and charity, may be seen in her relationship with Doris Mudie, whom she first met in the late 1920s, At first Hill and her family were greatly helped by the successful Mudies. Ibough as Hill's fortunes improved those of Doris declined. By the late 1960s Doris had suffered several strokes and needed constant

nursing. Hill's two-year stint from 1968 to 1970 as Andrew Mei-Ion Professor of Slavic Languages in Pittsburgh was partly motivated by the need to earn money to cover Doris Mudie's medical expenses. Her devoted many years were exemplary. Their collaborative efforts produced two edited volumes of letiers, Dostoevsky's Letters to his

courses was also legendary. Lisa Hill was a woman of strong personality and personal charm, whose energy, warmth of spirit and massive enthusiasm for things that mattered will be long remembered. Despite the fact that her true distinction lies not in her own scholastic attainment but in the countless academic achievements of others, there can be no doubt that she stands proudly in the line of important 20thcentury pioneering educators such as Wallace, Bernard Pares and Konovalov, who took

up the cause of Russian and

Slavonic studies and raised

them to the high standing

which they now occupy in the

once taught on her Services

lessons

Western world.
Lisa Hill's death came as a shock even though she was 96 vears old. She arrived with the century and everyone expected her to see it out. She may have retired three decades ago, hut she had never been forgotten. Admirers turned up in hundreds at her various anniversaries, told warm stories of her life in public, confirmed her

indestructibility and vowed not

to miss the next occasion.



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April Congression Lin

Materials

Photograph; Jeanne Vronskaya

She continued to turn up everywhere in a small car, driving herself and some other diminutive companion in such a way that neither could be seen above steering-wheel height. The recently acquired Mini which still rests in her Cambridge garage is an hon-ourable descendant of the weirdly sprung Renault with which she terrorised that city four decades ago. Hill's car was reputed to be the only one ever allowed to park regularly in front of the British Museum, such was her bamboozling Russian cbarm over British policemen.

She was a most satisfying person for those who like their professors to he eccentric. For one thing she never knew which language she was speaking. In one of her last letters, sent 10 an ex-student who now heads a Department of Russian in Canada, Hill wrote, "sbe escaped from the Berlin Control Commission boping to popast' v Ameriku, no ne vyshlo as the train headed for the British Zone". That was also how she

A. D. P. Briggs (

Elizabeth Mary Hill, Slavonic scholar: born St Petersburg 24

Diana Morgan

Whatever it was that killed off "intimate revue" - and the debate continues among the theatre-going oldies - Diana Morgan's talent was a reminder of its glories. It was so instructive. as well as amusing; and so casy to get the hang of that it

made playgoers of schoolboys. Yet its appeal was to the socalled sophisticated playgoers of the 1930s and 1940s. So the schoolboy of that day might not get the hang of everything, though, of course, he would have had no trouble with the two eight-line verses in Latin in The Number's Up (Gate, 1936), a musical play about a "very modern" contemporary public

At any rate James Agate, the most influential critic of the era, considered the dog-Latin worth quoting in full in his Sunday Times notice as an example of the show's hrand of humour which ranged "half way between the great masters and the master-buffoons":

"The School Song" ran: A. ab. absque, coram. de. Floreat Mulburia! Arma cano virumque, Floreat Mulburia! Magna Charta, locum tenes, Ubique delirium tremens,

Carpe diem, Postume, Florem Mulburia! Mensa quam celerrime, Floreat Mulburia! Alma Moter, tibi cano, Mens sana in corp`re sano, Credimus cum salis grano, Floreat! Floreat! Floreat!

Within two years, Morgan and her collaborator, Robert MacDermot, who became her husband, had two successful West End openings on successive nights. The first was a fullscale revue at the London Hippodrome, Black and Blue. headed by Frances Day, Vic Oliver and Max Wall, and

directed by Robert Nesbitt. The next night at the Ambassadors was the transferred Gate Revue, directed by Norman Marshall with Hermione Gingold, Walter Crisham, Michael Wilding, Gahrielle Brune and

Satire also counted high in a theatrical era when the Lord Chamberlain kept a wary eye on every script. Audiences, especially schoolboys, relished the complicity between them and the players and the notion of seeing something which the Lord Chamberlain would have forbidden in a public theatre.

Could the ultimate shedding of that functionary's powers over the stage in 1968 have sounded the death-knell of intimate revue? Not that every-thing - and there might be 30 items in a revue -was meant to be provocative. But there was simply nowhere else to taste whatever forbidden fruits might be on offer. No television satire programme to keep us in on Saturday nights (That Was The Week That Was); no Private Eye to be rude about anything and

Above all, there was nothing to match the atmospher of a "club" theatre which r. yone could join for a few st i ings a year and feel he ! clonged among the "sopb sticates". Moreover, the snugaess of a prejudices." club theatre deepened the sense of something exclusive going on, and few theatres were snugger than the Gate in Villiers Street, Charing Cross, where the dress-

postage-stamp type stage itself. Marshall had bought it in 1934, not to promote satirical revue but to put on his own kind of arguably rather highbrow play - Ibsen, Schnitzler, Aristophanes, Ernst Toller, John Steinheck, Jean-Jacques

Bernard. At Christmas, though, a revue was expected. A well-established genre in the West End since the First World War under André Charlot and C.B. Cochran, it had been allowed to lapse when they both abandoned it for more spectacular shows at the London Pavilion. Marshall wanted something

cosy, topical, witty and satirical He took on Morgan and MacDermot, then in their twenties, because he liked the material they had written for one

Derek Farr - all unknowns then. of his revues at the Cambridge

Festival Theatre a year earlier; and though the cast was lowspirited - two of them left before it opened - husiness gradually picked up until the show ran for eight crowded weeks, headed by Hermione Gingold (who during the war was to keep the Ambassadors filled with the Sweet and Low

series of revues). Morgan and MacDermot went on to contribute to Let's Face It! (1939), Swinging the Gate (1940) and scores of other revues in both the West End and at its outlying club theatres, like the Watergate.

What both writers learned was how to write for their players - for personaliues like Gingold, Beatrice Lillie and Walter Crisham - and how to shape their material to get the mixture of moods, vital to revue.

exactly right.

"Above all," as Marshall himself once put it, "if a revue is to have any style of its own it must be the expression of a single person's taste, not a hotch-potch of other people's purpositions and other people's suggestions and

That's wby he rented the Ambassadors where the Gate Revue ran for two years. When you think of all the other talent that came to the top through reing rooms were just off the vue and the training it gave in timing and getting on immediare terms with an audience from Maggie Smith and Kenneth Williams to lan Carmichael and Moira Fraser. Dora Bryan and Max Adrian as well as writers like Harold Pinter, John Mortimer, Sandy Wilson, N.F. Simpson and Peter Cook - its loss is depressing on both sides of the footlights.

> Eleven years ago the King's Head, Islington, staged something called Meet Me at the Gate. Devoted to the early writings of Morgan and MacDermot, it pleased nostalgic addicts of a genre which gave its last gasp, coincidentally or otherwise, when the censor

That was 28 years ago; and MacDermot had died in 1964; and you may now write it all off as a consequence of changing



Forbidden fruits: Morgan began as a mistress of revue

taste. But it was fun while it lasted. Nor did Diana Morgan ever allow her talent to stop there. A Weish character actress

from the age of 20 and a playwright even earlier at the Arts with something called Cindelectra (imitating, perhaps, satir-ical zest?). she enjoyed numerous West End and Fringe productions as author and performer of marginal, Welsh parts.

Among her own plays were A House in the Square (St Martin's, 1940), a musical. Three Waltzes (Prince's, now Shaftesbury, 1945), Rain Before Seven (Emhassy, 1949), The White Engles (Embassy, 1950), and After My Fashion (Ambassadors, 1952), a well-received domestic straight plays were The Durk

Stranger (Ashcroft, Croydon), and The Judge's Story (Ashcroft,

After training at the Central School of Speech and Drama, Diana Morgan ranged as an ac-tress from Coward's Cavalcade at Drury Lane in 1931 to Mrs Dainly-Fidget in Wycherley's The Country Wife (Amhas-sadors, 1934), Phyllis in Pamell and Old Woman in Lysistrata (Gate, 1935), Bette in She Too Was Young (Wyndham's, 1938) and small parts in her own plays The White Eagles (Embassy 1950), After My Fashion and The Little Evenings (Welsh

National Theatre, 1970). She was a contract writer to Ealing Studios in its heyday, and and actress: born Cardiff 29 her film credits include Poet's May 1908; married Robert Macdrama of adultery. Other Pub and A Run For Your Mon- Dermot (died 1964); died 9 cy (both 1949). She won over a December 1996.

Photograph: Ronald Grant Archive dozen international awards with her script for the film Hand in Hand, about a Roman Catholic

child and his Jewish friend. Among Iclevision series which she wrote were Emergency Ward 10; there were also documentaries and two radio plays and two novels. Only nine years ago she collaborated, aged 77, on a musical version of Frances Hodgson Burnett's fantasy The Secret Garden (King's Head).

But it was surely her revues with MacDermot which gave the most piquant pleasure.

Mary Diana Morgan, playwright

spoke.

October 1900: University Lecturer in Slavonic, Cambridge University 1936-48. Professor of Slavonattention to an old friend over ic Studies 1948-68 (Emeritus); Andrew Mellon Professor of Slavic Languages and Literatures. University of Pittsburgh 1968-70: DBE 1976: married 1984 Wife (1930) and Lenin's Letters Stojan Veljkovic (marriage dis-(1937). Hill's practical support solved 1995); died London 17 for Russian emigres who had December 1996.

Maria Donska

well known for her fine interpretations of Beethoven and

She was born in Lodz, Poland, in 1912 and was already performing at the age of seven. She made her concerto debut in 1923 and three years later went to study with the celebrated Austrian pianist Artur Schnabel in Berlin. There too she met her lifelong friend Lconora ("Baba") Speyer. Baba came from a musical

It was at the Speyer home in

family. Her mother was a vio-

The pianist Maria Donska was composers such as Debussy and Grieg performed at soirées in the early years of the century.

Maria Donska continued studying with Schnabel until 1933 and made her Berlin debut during this period playing Weher's Konzertstück. In 1932 she participated in the Chopin competition in Warsaw and was awarded a Diploma of Honour. Earlier Schnabel had taken ber to London, where he played in the Courtauld Concerts. It was to London that she eventually returned in 1934 and successlinist who recorded for HMV. fully applied for British citzenship. Baba Speyer and she Grosvenor Street, London, that set up home together.

Donska entered the Royal College of Music as a student in 1936. There she was awarded several medals, including the Hopkinson Medal and the Chappell Gold Medal (1937). In those days, when most British students wanted to finish their training abroad and very few foreign students came to study in London, this must have seemed a strange thing to do. Even stranger was her choice of professor, Arthur Alexander, who had been a pupil of Tohias Matthay, whereas Schnabel had studied with Theodor Leschetizky, who was viewed with some suspicion by Matthay pupils.

One thing that Schnabel and Alexander had in common was a quick wit and sense of fun. With Alexander Maria Donska did study some works other than the standard classical repertoire, but never played them later on. This became a point of disagreement with her agent, who would have found it easier to promote an artist who played concertos by Tchaikovsky and Rachmaninov (whose music Donska hated) as well as those by Mozart, Beethoven and Brahms. As with so many artists of her generation the Second World War did stop any in-ternational blossoming of her

career. One wonders, if she had breakdown, which she thought managed to establish a career in America hefore the outbreak of war, whether she would have made a success such as Myra Hess, after all, did with the same kind of repertoire.

During the war Maria Donska played at the National Gallery Concerts, toured in recital and, what must have been quite exhausting, even for someone with her vigour, gave several performances of Brahms' second concerto on lour. Her career was interrupted when she suffered a nervous

Deaths: Baldassare Peruzzi, architect

been born 10 years carlier and could have been brought on by worry about her relatives in Poland.

> By 1943 she had recovered and was playing for the BBC and that year started three years of teaching at the Royal College of Music. In the 1950s and 1960s she gave two com-plete cycles of 32 Beethoven sonatas on the South Bank and at the Wigmore Hall. The BBC continued to broadcast recitals. both live and recorded, and she also formed a début partnership with the planist Alan Rowlands. At the Proms she gave an impressive account of the

Brahms second concerto. In evident in her interpretations. 1960 she returned to teach at the Royal College of Music, staying until 1980. Some of her last concerts were four recitals given for Kent Opera. Maria Donska was a great

reader (Shakespeare was a particular love) and she was also very interested in the graphic arts. A hust was made of her by Jacob Epstein, inspired by her playing of Beethoven.

As a pianist, Donska had some of the hallmarks of Schnabel (although not what she called his "scurryings". which she disliked), but her own strong personality was always

Fortunately, she left some commercial recordings, made in the 1960s. For those who can find them, there is a particularly fine recording of Chopin's second and third sonatas. Considering that she was as critical of her own playing as anyone else's (Arthur Rubinstein was one of the few to be praised). it says much of these performances that she said she quite

Malcolm Binns Maria Donska, pianist: born Lodz, Poland 3 September 1912:

Births Marriages & Deaths

DEATHS

HEDDEN-KRIVINIOUK: Amanda Sarah, on 29 December, in Taliesia Sadiv missed by family and friends Funeral, 2pm, Friday 10 January, a Funeral, 2pm, Friday 10 Jonuary, at St James the Apostic Church, Bondleigh, Devon. No flowers picase, Donations to the National Hospital for Neurology and Neurosurgery, Queen Square, London WC1N 3BG.

Assouncements for Gazette Bassache MARRIAGES & DEATHS should be sent in writing to the Gazette Editor. The Independent, I Canada Square, Canara Wharf, London E14 5DL, telephoned in Acra 1912 into

Forthcoming

marriages Mr I. G. Shearer

and Miss M. E. Dalyelt The engagement is announced be-tween Moira Eleanor, only daughter of Kathleen and Tam Dalyell, of The Binns, Linlithgow, and Ian Grant, youngest son of Mary and the late James Shearer, of Oxshott. Surrey.

Birthdays

Major Keoneth Adams, Honorary Fellow, SI George's House, Windsor Castle. 77; Mr Rowan Atkinson, actor and comedian, 42; Mr Paul Azinger, golfer, 37; Lord Balfour of Borleigh, Chancellor, Stirling University, 70; Mr Roger Barton, MEP, 52: Sir Ashley Brai man of the GLC, 8t; Sir Robert Clark, chairman, Mirror Group

Newspapers. 73; Mr John Clive, actor and writer, 59; Mr John Croft, painter and criminologist, 74; Mr Angus Deavton, writer and broadcast er. 41; Mr Kapil Dev, cricketer, 58; M Sacha Distel, singer, 65, General Sir Martin Farndale, Master Gunner, Si James's Park, 68, Sir Hugh Fish, SI James's Park, 68; Sir Hugh Fish, water technologist, 74; Mr Barry John, former Welsh rugby international, 52; Mr PJ. Kavanagh, poet and novelist, 66; Mr Christ opher Lewinton, chairman and chief executive, TI Group, 65; Miss Nancy Lopez-Melton, golfer, 40; Professor Lord McCollef Dubrick professor Lord McCollef Dubrick professor 4; Sie McColl of Dulwich, surgeon, 64; Sir Brian Moffat, chairman and chief executive, British Steel, 58; Mr Martin O'Neill MP, 52; Lord Plowden, former chairman, Atomic Energy Com-mittee, 90: Mr Bill Sirs, former trade union leader, 77; Mr John Sowden, former chairman, Costain Group, 80; Miss Sylvia Syms, actress, 63; Mr Terry Venables, football manager, 54; Sir

Ernest Woodroofe, former chairman of Unitever, 85; Miss Loretta Young, actress, 84.

Anniversaries Births: King Richard II, 1367, St Joan

of Arc, Maid of Orleans, 1412: Giuseppe Sammartini. composer, 1695; Jacques-Etienne Montgolfier, balloonist, 1745; Anna Maria Hall (Fielding), novelist, 1800; Heinrich Herz, pianist and composer, 1806; Heinrich Schliemann, archaeologist, 1822; Paul-Gustave Doré, illustrator and engraver. 1833; Max Karl August Bruch, composer, 1838; Clarence King, geologist, 1842; Franz Xaver Scharwenka, pianist and composer. 1850; Alexander Nikolayevich Scriabin, composer, 1872; Fred Niblo (Federico Nobile), film director, 1874; Carl Sandhurg, poet. 1878; Tom Mix (Thomas Edwin Mix), actor,

and painter, 1536. Seth Ward, bishop, mathematician and astronomer, t689; John Dennis, critic and playwright, 1734; Thomas Birch, biographer and historian, 1766; Jean-Etienne Guettard, naturalist and geologist, 1786; Rodolphe Kreutzer, violinist and composer, 1831; Fanny Burney (Madame d'Arblay), novelist and diarist, 1840: Hartley Coleridge, author and poet, 1849; Louis Braille, deviser of a blind alphabet. 1852; Farmy (Frances) Wright, social reformer, 1852; James "Jubilee Jim" Fisk, gold market speculator, shot in a quarrel 1872. Richard Henry Dana, novelist and lawyer, 1882; Gregor Johann Mendel, monk and geneticist, 1884; Philip Danforth Armour, food manufacturer, 1901; Georg Cantor, mathematician, 1918; Theodore Roosevelt. 26th US President, 1919; Andre-Rene Louis Maginot, politi-1880; Khalil Gibran, writer, 1883. cian, 1932; Victor Fleming, film di-

rector, 1949; Archibald Joseph Cronin, novelist, 1981; Rudolf Hame-tovich Nureyev, dancer, 1993. On this day: King Alfred defeated the Danes at the Battle of Ashdown, 871; Harold was crowned King of England in succession to Edward the Confessor, 1066; King Henry VIII was married to Anne of Cleves, "the Flan-ders Mare", 1540; Samuel Morse gave the first public demonstration of his electric telegraph, 1838, after a march of 300 miles in 20 days. Lord Ro Roberts and his troops captured Kandahar, 1879; many deaths were caused by a cyclone to Georgia and other states, 1892: New Mexico became the 47th of the United States, 1912: the Allies began to evacuate Gallipoli, 1916; the first opera (The Magic Flute) was broadenst in Britain, 1923; the new Sadler's Wells Theatre opened in London. 1931: the Battle of the Bulge ended, 1945; Britain recognised the Communist regime in

China, 1950. Today is the Epiphany (Feast of the Three Kings). Old Christmas Day and the Feast Day of St Erminold, St Guarinus or Guerin of Sion, Si John de Ribera, Si Raphaela Porras and St Wiltrudis.

Royal Ascot

The Royal Meeting will take place at Ascot on 17-30 June 1997. The list for applications for the Royal En-closure is now open and HM Representative wishes to remind applicants that the age limit for junior vouchers applies to those aged 16-29 years. Dales of hirth must be

stated in the application. Only personal letters of application will be accepted. Existing Members should apply, as usual, before the end of April. All those wishing to ap-ply for the first time should make an application before the end of March

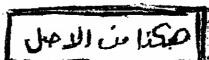
stating the full names of those mem-bers of their family who require vouchers, logether with their dates of birth if between 16-29 years. Sponsorship forms will then be sent which should be signed by a sponsor who has been present in the Royal Enclosure for a minimum of eight enclosure for a minimum of capply years. Overseas visitors should apply direct to their Embassies in London. In the Royal Enclosure ladies will wear formal day dress with hal which must cover the crown of the head. Gentlemen will wear morning

died 20 December 1996.

dress with top hat, or service dress. Applications should be addressed to HM Representative, the Ascot Office, St James's Palace, Londor SWIA IBP.

Changing of the Guard The Household Cavalry Mounted Regime

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Dame i Hill

IE INDEPENDENT

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sa Hill was a minnan in of betenistist and balding and whose custon name and massive enthusian hings that mattered will he remembered Despuelle that her true distinction not in her own scholede mount but in the count academic achie, ameng ers, there can be no down ; she stands proudly line of intertiant 3m

the future direction of shares? Bulls, who had a nervous time as shares crashed on Thursday, must hope not. For the American born, self-made equities expert believes Footsie will end the year at, wait for it, 3,200 points. He also sees cracks appearing in New York with the Dow Jones Average down to 5,200 who likes to point out that he the scenic Cotswolds, sur-

like the analysts, chartists,

strategists or any other of the

experts who inhabit the City

started studying the stock mar-

ket to belp him manage his own

portfolio much to offer to the

great new year debate about

So has the statistician who

Lessons from the past warn of testing times for small investors David Schwartz describes and he has built a strong fol- evolved as he took the view small investors.

> more remote corners of history he concludes 1997 offers Articles in various publica-"very poor prospects" for investors. He reads last year's inflation signs as heralding a ment letter. hear market. And the upcoming election is another never worked in the investcause for Schwartz concern. "History shows". he says, "that shares often fall when the Prime Minister's rating is very low - like John Major's

is at present". In Mr Schwartz's view the message from the past "is there are very high odds of a large fall in London in 1997. At its low point look for a test Some City experts are inclined to dismiss Mr Schwartz, of the 3,000 level on the FTSE 100 hefore recovery begins.

The Cotswold share guru watches share markets from arrived in this country at the start of 1987 with his English-born wife. Philipa, His stock

himself as a stock market lowing, particularly among that his historical research that his historical research had produced enough mate-Peering into some of the rial for a book on the market, aimed at private investors. tions followed; so did more hooks and a quarterly invest-

Mr Schwartz, who is 56, has ment industry in the US or here. He thinks his relatively recent conversion to the market, his freedom from the hurly-hurly of the City and the fact he is a commentator not linked to a share dealing operation give him an edge and allow more indepen-

He has been looking for a share slide for some time. In his September newsletter he said: "We have repeatedly warned investors in recent issues that the next hig move

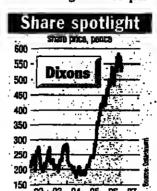


STOCK MARKET WEEK

DEREK PAIN

Stock market reporter of the year

Said Mr Schwartz: "One as good as the headlines could be forgiven for thinksuggest...' ing UK investors are having a great year ... but under the surface things are not quite



He adds: "A hleak longterm picture is getting worse. Many long-running historical trends are sending a very clear message - that the UK stock market is at or very close to its high point for the bull

market. He is convinced New York is due for a fall. In the last 150 years, seven of the eight US suffered large Wall Street declines in the first year of their turn is overdue"). follow-up term. The average decline represented 1,000

dent Reagan, who achieved a 26 per cent rally. But Mr Schwartz says Wall Street had already fallen and the market witnessed the 1987 melti-

then was ripe for a rally. On inflation he says in the - endured the drip-drip of the On intration ne says in the 13 post-war elections the cost of living had risen in the To some smart and dedifollowing year on 10 occa-

"It vividly makes the point that politicians find it difficult to act responsibly while running for re-election."

The City fears, he says,

that higher inflation will lower shares.

Mr Schwartz is nervous about any incoming Labour government, as well as such investment yardsticks as the presidents who were re-elected for a second term, about the longevity of the current hull market ("a down-

If he has got it right and a hear market looms it will he down? Even fewer would have

cated players it has been relatively easy to make money in recent years. The Schwartz scenario signals the end of such easy pickings.

It is not only the private investor, already having to contend with the unhelpful attitude of the Stock Exchange and other interested bodies, who will suffer.

Many professionals, from fund managers to stockhrokers, arrived after 1987. And those who witnessed the 1970s are, by nature and the upheaval of Big Bang, a dwindling hand.

up and prices swing violently. Much tighter settlement -T plus three is still a possibility - and the arrival of the computerised Crest system are fine for institutions but a headache for the private investor. Order-driven trading, due this year, is another in-

is unlikely to benefit the small A bear run could also he a testing experience for some of the cut price, execution-only stockbrokers, competing for the attention of the private

fluence which in the long run

investor. Although the country swings back to work today there is little evidence the company reporting schedule is hack on song. Dixons is the only major expected to report this week. It offers six-month figures with around £57m expected against £37.5m. Morc

rounded by cows not com- puter terminals. born wife, Philipa. His market husiness. represe Yet his record is impressive by Burleigh Publish	tock for UK equities is down."	150	decline represented 1,000 points on today's Dow Jones index. The exception was Presi-	many private investors.	Although professionals will struggle to cope it is the private investor who will he more at risk if liquidity dries sales.
## Stock Price City Vid Pic Code ## Stock Price City Vid Pic	\$ 200 Sente to the property of	Michael	heart 20	Sign	Share Price Data Prices are in starting except where stated. The yield is last year's dividend, grossed up by 20 per cent, as a percentage of the share price. The procelearnings (P/E) ratio is the share price divided by last year's cernings per share, excluding exceptional terms. Other details: Fix rights x Ex-dividend a Ex all u Unisted Securines Market is Suspended po Partly Paid pm Ni Paid Shares. ‡ AM Stock The Independent Index The index allows you to access real-time share prices by phone from London Stock Exchange. Simply dial 0897 t23 335, and when prompted to do so, errer the 4-digit code printed next to each share. To access the latest financial reports dial 0811 1233 lollowed by one of the two-digit codes below. FTSE 100 - Real-time 00 Starking Rapes 04 Privensetion Issuers 35 UK Stock Market Report 07 Starking Rapes 08 UK Stock Market Report 09 Ukal Si Report 20 Heat Si Report 21 Hegh Street Banks 41 Anyone with a tone-dial telephone can use this service. For a detailed description of the independent Index, including its portfolio facility, phone 1081 123 333. For assistance, call our helpine 0771 873 4378 (900am - 500pm). Calls cost Stip per minute (they time), and 45p at all other times. Call charges include VAI Interest Rates UK Germany Base 600% Decount 250%
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business & city

On-line Britain: Banks with no branches will sweep the country as dial-your-own grocery services gather pace

Banking by phone to take off by 2001

Banking Correspondent

Tetephone banking is set to explode in Britain by 2001 when more than 30 per cent of the a phone-based banking service British population will con-duct their banking affairs by Scotland. telephone, a higher propor-tion than any other country in Europe, according to research published today.

In a separate move high-lighting this expansion, Britain's phone-banking pioncer First Direct is about open a second call centre, to deal with its increased workload.

The new operation in Glasgow will operate alongside its existing centre in Leeds, which was founded seven years ago.

According to the research by Datamonitor, a management consultancy firm, just 10 per cent of Britons currently bank by telephone.
The research will come as

welcome news to the nation's hanks, which are pouring mil-lions of pounds into developing telephone banking, and at the same time closing branches and slashing staff numbers.

According to Bifu, the banking

To telephone can last year and aims to field 12.5 million by the end of this year. On average, a spokesman said, First Direct recruits 12,000 union, 120,000 jobs have been lost in bank branches in the last six years and thousands more

are expected to go.

Competition is already fierce, and will get more in-tense. Four huilding societies are due to convert to hank status this year, and all four of hranch banking rather than as them will use phone banking to an alternative.

street banks

The supermarket chains are also getting in on the act. Sainsbury's recently announced

Telephone banking was pioneered in Britain by First Direct, which was launched by Midland Bank in 1989. First Direct is still expanding and will announce shortly that is opening its first call centre outside

The experience of First Direct shows it can take years to make any money out of phone banking because of the high investment needed in

First Direct did not make any profits for Midland until December 1995 and since then has wavered back and forth between the red and black depending on the resources being ploughed into advertising.

First Direct dealt with 10 mil-lion telephone calls last year customers a month and has over 600,000 in total.

The example set by First Direct joited other banks into offering telephone hanking. But most of these services dif-

which caused uproar from unions by amouncing plans to cut 10,000 jobs in branches in the next four to five years, has around 540,000 customers using its telephone banking

Kartik Natarajan, analyst at Datamonitor, which based its research on interviews with 200 banks across Europe, expects Britain to have Europe's highest penetration of telephone banking customers in 2001 at 32 per cent or 13 million customers.

*Competitive across European retail hanking markets will force banks to set up telephone banking operations in order to meet customer demands, although in some countries banks will have to work hard in order to persuade their customers to transfer to such services," he said.

Britain was currently behind only Finland and Sweden in its penetration of telephone bank-ing and would grow to the highest proportion because of changing work patterns in Britain, the efforts of the banks and sophistication of the telephone network, Mr Natarajan Lloyds TSB, which estimates

that 560,000 of its customers are banking via the telephone, is already preparing for the oext era in hanking with plans next month to start a television banking trial at 250 homes in



Direct dialling: First Direct staff taking calls from customers at the Leeds centre

Boost for home shopping pioneers

Nigel Cope

A home shopping service which supplies groceries provided by Sainsbury's has raised £2m to expand its UK coverage. Flana-gan's, which has been offering its Supermarket Direct service in south London since 1995, plans to take the service to the north of the capital later this year as part of a longer-term plan to build a nationwide network.

According to joint managing director Adrian Flanagan, the plan is to invest more funds in the group's Wandsworth site which supplies homes in south London while it seeks other suit-

able sites. It will gradually extend the range of products available in its catalogues from 2.500 to 6.000 by the spring.
More cash will be pumped into
new technology. Other funds
will be invested in new kitchens which will manufacture a new range of ready-made meals un-

der Flanagan's own label.
None of the £2m has come from Sainsbury's, which retains links with the company. Most has come from 35 private investors. which include the directors and Sir Michael Sandberg, the former chairman of the HongKong Shanghai Banking Corporation,

According to Mr Flanagan, the group is now on a stable financial footing after a period in 1996 when it ceased trading due to cash flow constraints.

Mr Flanagan says Super-market Direct has 5,000 regular customers who fax or phone in their orders and pay a £4 charge for delivery. He says the service is achieving its break-even target of 170 orders per day.

The bulk of the customers are ordinary families, not high earning, dual income couples.

The expansion of Supermarket Direct is just one of a series of new initiatives in supermarket home delivery. Tesco

launched an Internet home shopping service in west Lon-don in October. Sainshury's is also offering a delivery service from some stores and Safeway is considering home delivery. Marks & Spencer offers home delivery from some stores such as its High Street Kensington

shop in central London. Other companies have linked up with supermarkets or home shopping groups to offer "Shop from work" schemes. Cap Gemini, the consultancy group, and the computer group, Hewlett Packard, both have schemes allowing staff to have their gro-

BT free calls could aid Internet

John Willcock

BT is considering offering "free local calls" for domestic customers coupled with higher line rental charges in a move which could transform Internet use in the UK.

A BT spokesman says that the company is looking at a range of possible new "packages" in its campaign to beat back competition from the likes of Mercury and the cable companies.

One favoured route, which would bring the UK into line with America and Asia, would be to slash charges for local calls and charge a higher quarterly line rental instead. Such pack-ages could also cover a mixture of local and international calls for BT's 20 million-odd residential customers.

In the US, where Internet usage per head is by far the highest in the world, individuals benefit from packages which of-fer "free" local calls coupled with a premium line rental charge. Since Internet access is charged at local call rates, a "free" local rate could make all the difference to UK Internet users.

Many JT observers fear that Internet usage in the UK has been hampered by BT's local charges. A BT spokesman denied this yesterday, saying that local calls cost just an average 1p a minute on weekends. "We already offer a number of services, such as Premier Line, where customers pay £24 a year and get 15 per cent off their call charges."

The spokesman said the "free local calls" idea was "just a

gleam in the eye" of the company for the momeot. "We would oeed regulatory approval for any such move."

Clyde attacks £432m offer as 'on the cheap'

John Willcock

Clyde Petroleum issued a strongly worded defence document yesterday, attacking Gulf Canada's £432m hid as "wholly inadequate".

Malcolm Gourlay, chairman of Clyde Petroleum, said: "1 can't fault the Canadians for spotting the value in Clyde but they are trying to get us on the

In the defence document posted to shareholders yester-day Mr Gourlay said: "This offer totally fails to take account of the true value of Clyde and its continuing success, let alone its potential as an independent for next year. сотралу.

Pointing out that Gulf Canada and its North American rivals are valued principally on the basis of cash-flow multiples, Clyde's finance director Roy Franklin said that on this measure alone Gulf's bid for Clyde undervalued the company.

For instance, Clyde's historic (1995) debt-adjusted cash flow multiple at the offer price of 105p a share was 5.7, compared with comparable international companies which stand at 8.9. On the same basis Gulf Canada's cash flow multiple stood at 12.7.

Mr Franklin told shareholders that such a wide differential "illustrates the extent of the 'accretive' value which this attempted takeover seeks to obtain for the benefit of Gulf Canada shareholders at your

FTSE SmallCap 2189.01

years our performance has been tremendous by any measure."

Mr Franklin pointed out that Clyde's share price already indicated that the City viewed the Gulf hid as too low. Gulf shares closed up a penny at 116.5p on Friday, well above Gulf's 105p offer price. "This bid has a

long way to run," he said Gulf Resources attacked Clyde's defence as a weak re-run of old news. "It's a pretty empty document, rehashing the last year. There's nothing new that changes our view of value. It omits their own broker's forecasts of declining earnings

We are looking to acquire assets in the ground and are offering a 40 per cent premium to their net asset value."

The Gulf camp also criticised the Clyde directors for selling shares during the year. This was a reference to the sale of share options by various Clyde directors at 81p a share, just a day before Gulf Canada launched its

hostile bid at 105p last month. James Bryan, Gulf's president and chief executive, contrasted the share sale with the directors' decision to reject the Gulf hid. However, Clyde Petroteum said the options had been sold because they were reaching their expiry date. The company also said that the Clyde directors hold more shares now than

they did a year ago. agement and PDFM have 40 per cent of Clyde's shares.

3632.30

1816.60

1791.95

Source: FT Information

19161.71 0.81†

2253.36 1.51†

4118.50

2043.80

2244.36

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22666.80

STOCK MARKETS

-0.0

+19.8 +0.9

-16.8 -0.3

-0.0

as chief executive of the Pearson media group this week, has emerged as an investor and key player in a consortium which will make a last-minute hid for Nottingham Forest football club today. Mrs Scardino and her hus-

band Albert have been recruited by the consortium whose main four members are Trocadero property developer

Nigel Wray, former Tottenham Hotspur chairman Irving Marjorie Scardino, the US Scholar, Nottingham businessbusinesswoman who takes over man Phil Soar and Julian Blackburn saying he was "very agement rejected a similar pro-as chief executive of the Pear- Markham, chairman of property confident" that Anderson would posal from Greg Dyke, head of crative investment opportunity the last minute to prevent any group Glengate Holdings.

The consortium will present an offer document to Forest chairman Irving Korn at ooon today. It will distribute the document to the club's 209 shareholders ahead of this evening's extraordinary meeting to vate on a rival £13m takeover proposal led by Porterbrook Leasing chief Sandy Anderson.

Forest shareholders are set to sibility of Pearson taking a direct for a fresh assault by Pearson on with a further £20m to be raised hlock the Anderson bid, with the investment in football just weeks the lucrative football sector. shareholders' leader Peter after the group's previous manoot obtain the 75 per cent of the vote needed to gain control.

The Arizona-horn Mrs Scardino and her busband are involved in a personal capacity rather than through Pearson and are assisting the Wray consortium in the recruitment of other US investors.

But the Scardinos' involvement appears to re-open the pos-

posal from Greg Dyke, head of Pearson Television, which includes Thames Television. He had suggested the group take a stake in a top club after Pearson Television had examined possible football investments during

balling interest - she is also a keen Manchester United supporter - appears to pave the way

the summer. Mrs Scarding's obvious foot-

The Nigel Wray-Irving Scholar consortium has deit is offering for Forest, which

as they own the rights to tele-

vised games

currently lies second from bottum of the Premiership. However, it was thought that the offer would involve an im-

through a stock market flotation. Greg Dyke's view is that top

disruption from other in-

However, the Wray group faces fresh competition from clined to name the exact price Grant Bovey, a video entrepreneur who has re-entered the race after withdrawing his initial offer. He is promising £13.5m for new players and says shareholders will receive formal mediate cash injection of £10m details in the next fortnight.

Imphone r

unders £3

Perry due to head Centrica

man of Unilever, is expected to become chairman of Centrica, formerly British Gas Energy. when the retail gas arm completes its demerger next month, writes John Willcock.

Centrica publishes the details of its split from British Gas at the end of this week, when it is expected to announce Sir Michael's appointment.
Shareholders will vote on

Centrica's proposals at an egm on 12 February, and the shares are due to start trading five days Sir Michael's expertise in marketing and brands, as well

as his wide international expe-

rience, will add credibility to Centrica. He joined British Gas as a non-executive director two years ago, and was given a similar post at Centrica last month.

He will be a non-executive

Sir Michael Perry, former chair-man of Unilever, is expected to decision making to Roy Gardner, chief executive. Richard Giordano will withdraw from Centrica and remain chairman of British Gas, the production

and pipeline business.

Sir Michael, 62, joined Unilever in 1957 and worked his way up to become chairman four years ago. He retired from Unilever last September.

He helped to change the perception of Unilever in the

City from an Anglo-Dutch company based on products like toothpaste and shampoo to a truly global business with prestige brands. For instance, be played a leading role in the acquisition of Elizaheth Arden and Calvin Klein in the tate

This hrand awareness will be useful to Centrica, which faces stiff competition in domestic gas supply as well as the spearean theatre in London. He

INTEREST RATES



Scardino recruited as key player in Forest bid

challenge of expansion overseas and into electricity. Sir Michael is a chairman of the trustees of the Globe Theatre, the recreated Shake-

is also a keen singer and opera buff, often singing with the Bach Choir. A spokesman for Centrica refused to comment on the ap-



CURRENCIES

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'It is capital rather

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ohn Willcock Tis considering thempy the etal calls for a north or mers acapied with highhe funtal charges in a new then could not from home se in the UK. ABI specime without ompan, is to some the second ampaign to been back on Rich from the control of Manager nd the carrie a morning One take us ... towns and sould bring the Likewing with America and Journey to shell enarges to the age and charge a regret query ine remainment of Suchra iges could asset a mark if level and in a mining or BI's 20 mill rade.

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forms with their results, and the money tied up in such long-term trals are immense. Under Clinphone's system this bureaucracy replaced by touch-tone phones. The doctors involved simply punch in their answers to a series of questions directly to the pharmaceutical company

concerned.

Two former hospital doctors creases the period during which the drug's patent can keep earning the pharmaceutical company money. Jeremy Sharman, a director

> ures are very bullish". While the company will only complete its first trading year in February, it already has a blue chip client list which includes

The company is based in Nottingham and employs around 20 people. It was launched last year with a couple of hundred thousand pounds of family money. Mr Sharman said it was pos

The Clinphone interactive phone technology already has 14 different languages in use in 30 countries. The company claims the system is efficient in ensuring that the patients being tested are randomly recruited. which is vital in clinical trials.

The UK is investing in a better class of boom espite all the hype surrounding the | data suggest that the core trading profits of | more corporate activity towards investment.

high street, the personal sector saving ratio remains as high as in recession. Meanwhile, the Government has shown an amazing degree of prudence preelection. High domestic savings often mean high domestic investment, but only if the fundamentals are right. They are. Having become so conditioned down the years to associate the UK economy with a failure to invest, it is capital rather than consumer spending which is more likely to boom in 1997. A strong bull case is growing for investment. First, demand is accelerating. Moving from a growth rate of 2 per cent to an above-trend rate of growth has significance for investment, over and above its role in reducing spare capacity. The fact that GDP is accelerating is also important. Students of basic economics will recognise the "accelerator model of investment. Historically, accelerations in GDP have heen closely

followed by increases in investment. Second, uncertainty about demand is becoming a less important constraint limiting investment. Business leaders need confidence in the durability of recovery in order to invest. This is inevitable given the high initial cost, the lengthy payback periods and the irreversible nature of most investment projects. In teams of easing uncertainties, the mix of growth can be as important as the absolute growth rate itself. History teaches us that husiness does not invest on the hack of exports. In contrast, a little bit of life on the high street is far more effective at raising business confidence. Moreover, it would not need a fully fledged consumer boom to kick-start investment. Close to 4 per cent consumption growth in 1997 would give companies more

than enough reason to invest. Third, profit margins are high, as is the ratio of profits to GDP. Recently published system could be used to skew

industrial and commercial companies once again outpaced money GDP growth in 1996. Other official figures suggest that the net rate of return on capital employed is back above its long term average.

Fourth, survey evidence suggests that ca-pacity usage is back at a late 1980s level. Unfortunately, official measures of the capital stock are highly duhious, since the asset lives used by the ONS statisticians are hopelessly unrealistic - they are way too long. More realistic assumptions suggest that growth in capacity has been significantly below GDP growth in this recovery and weaker than in any period other the heady 1980s recession. Companies have a need to invest, particularly in the service sector where spare capacity

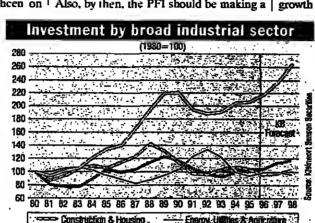
There are also additional tail winds which will help keep investment strong beyond 1997. In particular, in the last two years the cmphasis for many companies has been on

merger and acquisition activity, share-buybacks and dividend payments. This has partly been the fashion, with UK corporates repeating the experience of the US, in many cases going into debt to finance these forms of financial engineering. However, it has also been prompted by the expectation that the shutters would come down post-election, under a Labour government. This has diverted resources away from investment. This will change after

Not only could more hids be referred to the Monopolies and Mergers Commission under a

Indeed the current government has gone some way down this road by reducing the tax credits associated with dividend payments, share buybacks and special dividends. We would also not rule out an incoming Labour government enhancing capital allowances, albeit for a temporary period. This could have significantly more success than Norman Lamont's brief flirtation with enhancing capital allowances in 1992/93. Back then companies had little reason to invest. The situation today is very different.

At present, despite all the hype about the Private Finance Initiative (PFI), publicly sponsored investment is being a significant drag on total investment. After the election this is likely to change. An incoming Labour government would be keen to promote investment in areas like transport, health and education. Borrowing to invest would not threaten Gordon Brown's "Golden Rule". Also, by then, the PFI should be making a



significant contribution to overall investment. Another "non-economic" push to investment is the computer problems associated with the year 2000. The introduction of a single currency (whether the UK is involved or not) will also involve significant investment. as computer programmes are rewritten. Estimates involved vary enormously, but

there is no doubting that spending on information technology will grow sharply in the next few years. This will coincide with husiness spending on software being included in the investment data for the first time. This could involve significant upward revisions to the published data, which as it is has probably under-recorded the investment recovery there has been to date.

But what about the head winds? Much will be made of a stronger pound and higher base rates denting investment. However, these head winds have to be put in context. True, exporters will be hit but strong export growth is never enough by itself to prompt

an investment response in the whole economy. Sterling may hit manufacturing, but that sector accounts for not much more than 10 per cent of the investment undertaken in the UK economy.

All the strong currency will do is bias the investment recovery more towards services, the sector of the economy which does the lion's share of all investment anyway. We would expect the trends established in the 1980s to continue in the next few years, with particularly strong investment by finance, transport and communications companies (see chart).

Likewise, the likely rise in base rates has to be put in context. Finance is cheap and readily avail- Benson Securities.

able, balance sheets are strong. GDP is accelerating, spare capacity in services is fad-ing fast, the mix of growth has become more investment-friendly and companies have revealed that they are prepared to go into debt. It is very doubtful that a modest rise in hase rates by historic standards will derail the investment recovery.

Few would argue against the notion that strong investment recovery will improve the fortunes of the UK conomy. However, a strong investment recovery will hring with it worries about overheating. Potentially, this could take one of two forms, rising inflation or a widening current account deficit. At present there is far more concern about inflation (which has a more concern about inflation (which has a more concern about inflation). tion (which has been rising) than the current account (which is broadly in balance). This could change as we go through 1997. The ex-perience of the late 1980s suggests that an investment boom is more likely to lead to a wider current account deficit than higher inflation. This could be further compounded by the strength of sterling, which may help obscure inflationary pressures in coming

months, but his net exports.

On halance, the main reason why a Lawson-style current account deficit should be avoided is a continued high rate of do-mestic savings. Despite the fall in the job-less total and a recovering housing market there are no signs yet of households using the economic improvement as an excuse to spend beyond their means,

In the long run sayings and investment are closely correlated. Demography and uncertainty over pension provision mean that people will want to save more in the next decade. As such, a case can be made for arguing that the coming investment boom will go beyond a one-off cyclical increase.

David Owen is UK economist with Kleinwort

How long before the Wall Street party's over?

They talk of Beethoven and Dylan Thomas, but analysts cannot agree about prospects. **David Usborne** reports

Last week gave us the twilight days of stock trading between Christmas and the start proper of the new year; on Wall Street, at least, they amounted to a gigantic tease. Anyone straining to see omens for 1997 on this side of the puddle should have

turoed off their screens. Jones Industrial Average seemed clearly to signal trouble ahead when it swooned by some of boom and hust has actually 101 points. But. lo and behold. last Friday it delivered one of its miraculous mini-surges (actually, it was the Dow's sixthbiggest one-day gain in point terms) rising by 101 points. All said and done, it ended the week

down by a mere 16.82 points. The questions, of course, are these: can American stocks possibly sustain their run of the last two years? Or should investors be prepared to be humbled in 1997 with a correction - if not to say crash - that some believe simply has to happen? How bad might it be?

Consider the sheer chutzpah of American stocks. Last year, the industrial average gained a mighty 26 per cent in value, shaking off a couple of nervous episodes in July and October. That came on top of the still more impressive 33.5 per cent increase achieved in 1995. When the ball dropped on Times Square last Tuesday night, the Dow stood a full 68 per cent above its close at the end of 1994.

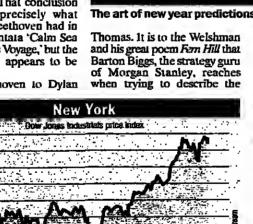
If we must try to predict the months ahead (and, of course, we must), there is a relatively easy route: you look at the American economy for a moment and conclude that there is nothing compelling out there

that suggests disaster. Indeed, the Federal Reserve and its chairman, Alan Greenspan, could have found the magic monetary formula; inflation is at bay and so is unemployment. It is worth remembering that the Fed's Open Market Committee has not done a thing to interest On New Year's Eve, the Dow: rates for almost 12 months. There is even the theory

about that the economic cycle been tamed and the picture ahead is one of steady, lowinflation growth. That was the view expressed in a recent survey hy the Washington-based National Association of Business Economists. While all husiness cycles

eventually end, almost all of the 44 economists who responded to the survey expect economic expansion to continue for the foreseeable future," the association said. "That conclusion may not be precisely what Ludwig van Beethoven had in mind in his cantata 'Calm Sea and Prosperous Voyage, but the approximation appears to be

From Beethoven to Dylan



heady mood of 1996 in a New

Year's essay to his clients. "Now as I was young and easy under the apple boughs / About the lilting house and happy as the grass was green, / The night above the dingle starry..." And the second verse begins: "And as I was green and carefree,

famous among the harns..."
But wait. Mr Biggs is among those noting that paradise is never for ever. He offers: "I don't think that 1997 is going to be as golden or that we are going to be as 'green and carefree'. The market may wipe that smile off our faces. Something bad is going to happen. It's just a question of how bad."

Mr Biggs concedes his r .diction is based principally on



hunch, instinct and an awareness of history. He points out that in 65 of the first 95 years of this century, stocks in the US portfolio. declined by at least 10 per cent. He adds even more ominously that in this century crashes of 40 per cent or more have oc-

curred once every 8.7 years. He concludes: "I think that in 1997, we will experience a true bear market in US stocks for the first time since 1990. My guess is that this hear will he of the cyclical variety, with a decline of 20 per cent to 30 per cent peak to trough, that will last about six months."

And Mr Biggs is acting accordingly. He has taken the cash share of his model port-

and is selling US stocks. David Shulman of Salomon Brothers has gone further, raising cash per cent of his model

History and superstition apart, there are reasons to worry about the US market. However ideal the economic and political environment in the US may be - the famous Goldilocks scenario - there has to be before valuations are stretched beyond the bounds of credibility and the whole edifice

We know Mr Greenspan is worried because of his remarks just hefore Christmas about "irrational exuberance" among folio from zero to 15 per cem US investors. The intimation

was that a bubble had grown on Wall Street that could hurst at any time with potentially horrible consequences, just as the Japanese bubble did in 1989.

Here, it is worth giving close scrutiny to the role of the US mutual fund. In 1996, investors poured a stunning \$208hn (£123bn) into mutual funds the equivalent of unit trusts shattering the previous record of \$129.6bn set in 1993. They did so on the clear understanding that their money would be put to work instantly in equities.

Fund managers acted accordingly, cutting the funds' mean holdings in cash in 1996 to just 6.2 per cent of assets -the lowest level since 1977. And, of course, as managers scoured the equity market for vessels for their torrents of dollars, so they helped drive the Dow still higher and higher.

Such is the pressure on managers to keep their funds among the top performers, many may be closing their eyes to the risks that they know lurk in the markets. It is the case of Robert Marcin, whose predicament was highlighted recently by the Wall Street Journal.

As manager of the \$2.3hn MAS Funds Value Portfolio, he admitted to "bending" his own investment rules in continuing to dive into the Dow to pump up his returns. All the while, however, he has been adjusting his own personal portfolio by cutting back on US equities and preparing a possible return of

If it is blind faith that is making US investors give so much of their wealth to the equity market, then there is reason to fear. An unexpected and reasonably sustained downturn in the Dow could trigger an equally irrational loss of faith and a panic of mutual fund redemptions. The downturn could then become a spiral.

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Firms begin to build on recovery

Tom Stevenson City Editor

The upturn in the commercial property market continues in full swing, with a third of British companies expecting to increase their property holdings over the next six months. The findings of a survey conducted by the Confederation of British Industry and Grimley, the property adyet that the recovery in consumer sentiment is spreading to all parts of the economy.

Retailers are leading the upsurge in property investment, with medium and larger companies setting the pace. For the first time demand for town centre space matched out-oftown and suhurhan requirements, suggesting the Government is succeeding in its stated aim of stemming the flow to environmentally unfriendly green-

field shopping centres. Sudhir Janankar, CB1 associate director, said: "Business confidence has strengthened markedly compared with six months ago and companies expect a further pick-up ... led by domestic demand. With profitability set to grow faster over the next six months, the upturn in the commercial property market is becoming more firmly based."
The CBI/Grimley survey

shows the highest expectations since the poll began in Novem-ber 1994. Thirty-two per cent of companies expect to increase their property holdings, while 26 per cent expect a reduction.

The higgest increases are ex-pected to come from the distribution, metal manufacturing and chemical processing, transport and communications sectors.

Clinphone nets founders £3.3m

who set up a company a year ago aimed at revolutionising clinical trials for new drugs will both pocket over £1m after selling a third of the firm to institutions, writes John Willcock.

Neil Rotherham and Jonathan Engler are selling n third of their private company Clinphone to Mercury Asset Management's private equity division and HSBC Private Equity for £3.3m.

The duo, who worked as doctors-until four years ago, have developed an automated phone system which should cut the time taken to test new drugs. Currently doctors involved in

such trials have to fill in lengthy

This cuts the time taken for the trials and consequently in-

of MAM, says Climphone is one of the fastest growing companies I have ever been involved with. The projected fig-

Glaxo and SmithKline Beecham, says Mr Sharman.

sible the husiness may float either in London or New York possibly in three years' time.

IN BRIEF

 House prices will rise by 50 per cent over the next three years according to a survey to be published this week by Savills, the estate agency group. Savills predicts a rise in house prices of 12 per cent this year followed by rises of 15 per cent in 1998 and 18 per cent in 1999. The forecast is significantly higher than other estimates such by huilding societies such as Halifax and Nationwide, which are predicting a 7-8 per cent increase this year.

 Henderson Investors, the fund management group, is to sponsor the Rothmans Williams Renault Formula One racing team. Henderson Investors has recently been re-branded and managing director Dugald Eadie said the sponsorship was an opportunity to support the new logo and new hrand.

 Skills shortages in information technology are adding 10 per cent to husinesses' IT costs and are expected to worsen this year according to a survey by Delphi Group. Two thirds of companies are also unprepared for the computer changes which will be required by the millennium date chage. The survey, which was conducted among 3,000 managers in Britain's largest husinesses, found that two thirds of companies had failed to address

 Almost 90 per cent of businesses have witnessed an increase in workplace stress according to a new survey. Eighty-three per cent of occupational health workers included in the survey reported a rise in staff absence due to stress-related illnesses, supporting statistics which suggest that stress is a factor for three in every five people who take time off sick. The survey was conducted by the makers of Zovirax cold sore cream.

 George Wimpey has been awarded a \$240m contract to modernize Aden Refinery, Al-Hayat newspaper said yesterday. The Saudi-owned newspaper, quoting the Yemeni Oil Ministry, said Wimpey will raise the capacity of the refinery from 100,000 barrels a day to 170,000 barrels. Refinery officials could not be reached for comment. Yemen, at the south-west tip of the Arabian peninsula, produces about 335,000 barrels of crude oil a day.

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With the profusion of satellites and rocket debris in space, we could be heading for the next big bang, writes **Charles Arthur**

ater this month, a rocket will be launched from the Vandenburg US Air Force base in California. If you listen hard enough, you might be able to hear a chorus of groans rising with it, coming from radioastronomers around the world. Astronauts may also have cause to grumble, because the space above Earth is becoming increasingly crowded and less useful for pure science.

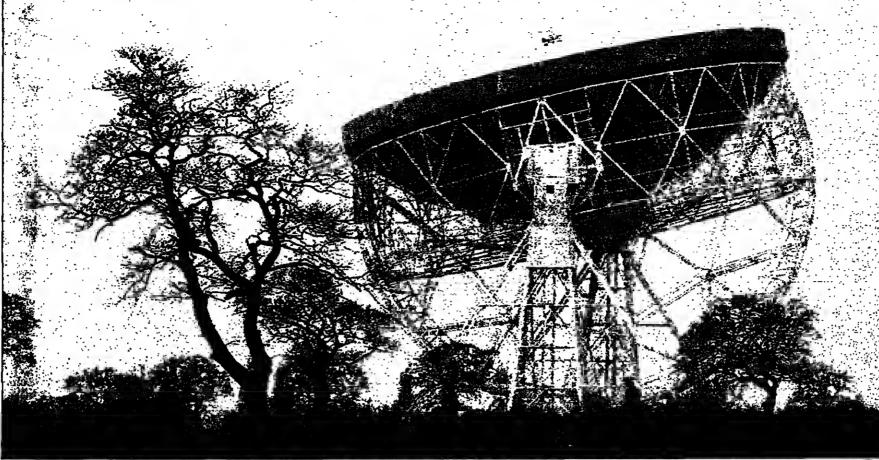
In fact, within a couple of decades it might be so crowded -and deadly - that we will have cut ourselves off from space entirely.

The Vandenburg rocket's payload will be the first of 66 satellites forming the Iridium global mobile phone system, due to start operations in 1998. Each satellite will be in "lowcarth orbit" (LEO), 780 kilometres above the ground - unlike normal communications satellites located in geostationary orbit (so they appear to remain fixed in the sky) more than 40,000 kilometres up. Using a hand-held mobile phone, Iridium users will be able to send and receive phone calls, faxes and e-mail anywhere in the world where they can

While that sounds like a terrific idea to the Iridium corporation, which has raised more than \$2bn in finance in the past five years, to people like Dr Jim Cohen at the famous Jodrell Bank radiotelescope it sounds instead like very

"Our sensitivity to interstellar signals will be governed by the satellite signal," says Dr Cohen. "We have been trying to negotiate with them since 1991, yet six years later we've found that there's nothing they're going to change."

The problem arises because the



Clouded vision: there will be more than 1,000 satellites in low-earth orbit by 2001, seriously hampering observations by Jodrell Bank, above Photograph: News Team

frequency range of 1610 to 1626.5MHz allocated by the Inter-Telecommunications Union (ITU), the business's global governing body, cuts exactly into one that radioastronomers like Dr Cohen use as an astronomical ruler:

Cohen use as an astronomical ruler:
1612MHz, the natural frequency of
the bydroxyl radical (OH*).
Like any molecule, the hydroxyl
radical is constantly absorbing and
re-radiating energy, and like any
molecule, most of the re-radiated energy is emitted at a particular wavelength. For hydroxyl, that is as a radio signal at 1612MHz. Astronomers use that fact to study all sorts of phenomena, including red giant stars, comets and interstellar gas clouds which are forming stars. The hydroxyl signal is one of the best "rulers" for measuring distance available: according to Dr Coben, whole classes of interstellar objects can only be measured by observing their emissions at that

"Maybe in the small hours we'll be able to do some useful work."

Could these problems have been avoided? Certainly, and it's not for lack of trying on the part of Jodrell Bank and other radioastronomy organisations, principally in the US (which expects to be affected first by Iridium). They have lobbied and negotiated consistently with Motorola, the US company that is the principal behind Iridium. A last-ditch meeting last November failed to produce any result, "Basically, it seems to be an unresolved difficulty," says Dr Cohen.

Motorola has insisted that radioastrocomers "won't be able to hear us". Dr Coben is less convinced.

Oddly, be found that the Soviet military - whose satellite navigation system. Glonass, also interfered with the hydroxyl frequency - were far more prepared to accommodate them. But Motorola's unyielding frequency.

Now, Iridium is going to come along and could, potentially, obliterate that. "It will be a problem for half the day," says Or Coben, before adding philosophically:

stance could have repercussions:
"There may be a point where the Russians say, 'Why should we go our concern is that though other people have been appraised of our

needs, they may decide to do the same as Motorola." In the worst case, an Iridium user might be based almost next to a radiotelescope – meaning the signal from the satellite would be heamed directly down on to it, completely overwhelming the hydroxyl signal. There is no deal yet agreed with Arecibo Observatory in Puerto Rico, where Iridium users - such as travelling executives - might be more plentiful than in Jodrell

Bank's home in Staffordshire. But it's not only on the ground that the proliferation of low-orbit communications satellites could pose a problem. They pose a very real danger to astronants and their

Iridium is only the first of the satellite phone systems in progress; by 2001, there will be more than 1,000 satellites in orbits less than, 11,000 kilometres up, operated by six different groups. Althnugh they will be distributed throughout a buge volume of space, all it takes is one chance impact by a meteor to turn a useful satellite into a fastmoving cloud of lethal metal.

The chances of that happening

are growing. A recent investigation hit another large object, breaking by the US National Research that apart, and so on. Council estimated that there are now more than 10,000 fist-sized and tens of millions of smaller objects orbiting Earth – debris from the launches of almost 5,000 spacecraft

since the first, Sputnik, in 1957.
The problem with those tiny parts is that their relative orbital speed is enormous compared with something emerging from the Earth's atmosphere. Though they are small, their tremendous speed gives them terrific energy-enough to pack a deadly punch. The Space Shuttle's windows have been pitted by flecks of paint from past collisions. Last August, a French mili-tary satellite collided with a portion of a 10-year-old Ariane rocket, smashing the satellite's stabiliser. (So far, spacewalking astronauts have remained safe; but fear of impact is nevertheless a strong

reason for keeping "extravehicular activities" as brief as possible.) The worst part of this process is that it could lead to a "cascade", in which the newly formed particles (which will travel at a different speed from their parent) go on to

that apart, and so on.

The US space agency Nasa has suggested that wouldn't happen for another 50 years. But Richard Crowther, a satellite expert at the Defence Research Agency in Farnborough, Hampshire, has developed computer models which he says suggest that such a cascade "could perhaps occur in the next 10 to 20 years". The crowding implicit in the proposals of Iridium and its rivals could accelerate that. "They are all at the same altitude and they all pass through the same regions of space." That's unlike geostationary satellites, whose greater distance allows greater latitude for "crowding". But no

band-beld phone would be powerful enough to send to a geostationary satellite. Hence the low-orbiting satellites from the new phone consortia. It remains to be seen whether their investment plans have allowed for the possibility of space junk and wbether they will recoup their huge investments before the whole

project is turned into a cloud of

silent metal girdling the Earth.

technoquest

When Garth first formed to the said the

What will

1.5

happen

to taxes

der Blair

Major?

Q Wiry is the sea easty?

A The early oceans were probably not Asalty. Enosoli of local rocks, by rivers which flowed min them provided the salts. All fresh water in rivers contains traces of salts and influences that these got concentrated in the oceans because they are left behind when water evaporates (10 form clouds). This water falls as rain, which eventually washes more minicials into the sea. But if you measure the salt water falls as rain which eventually washes more minicials into the sea. But if you measure the sea's salt content now, and would not how salty it should have been the behings of years of minerals being washed into it it is much less salty dian expected. Someone tred to calculate the age of the Earth from how salty the seas age of the Parth from how salty the seas were and got a figure close to 5,000 years - so something else is happening.

O How many teeth does a gr white shark have?

A The front teeth of sharks are con-stantly replaced by jobs of teeth growing beined them. The adult great winte shark has an average of \$3.3 feeth in its front row. Each roots has a new one result to sweng anto places so the actual-number of feeth in the shark's menut is 60-68, of which only half are in use.

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theoretically...

greater than a kilometre across are roaming the solar system, and some could cross the Earth's orbit, according to scientists cent of lay Jews, even among those livin from Colorado and Arizona. In a letter to as far apart as Israel, the US and UK. Nature magazine, they said the asteroids came from the so-called "Trojan swarms"

- two groups of asteroids orbiting the sun at the same distance as Jupiter. If a 90metre asteroid hit Earth it would have the effect of a nuclear bomb; the repercussions increase geometrically with size. Ready yet to fund some telescopes to watch for impending asteroid strikes?

The Jewish priesthood, the Cohanim, are among the true children of Israel, having genetic distinctions that seem to date back to "a unique evolutionary event" -a DNA insert - 29,000 to 340,000 years ago. Biblical accounts say the Cohanim

No. 3188. Monday 6 January

ACROSS

ing fire (7)

studio (7)

1 After this, there is no more 15 Greek soon receiving

to be said (7) sport's money (9)
A political leader caught between right and left gets sympathy (7) sport's money (9)
17 Paper no-one buys? (4.5)
19 Head's finished extra drink (3-2)

sympathy (7)
Number gather before rag- 22 Bill's double round is not

11 It's stupid, feeling inferior 25 European partner possess-

allowed (5) 23 Girl's fantastic on accents

ing a new issue (7)

26 Keen to be verbally correct

(separate from rabbis) were established 3,300 years ago when the first Israelite high priest was appointed. Membership is passed to male children of priests on the way. More than 200 "stray" asteroids

(separate from rabbis) were established ago, as research in Greenland rocks suggests, Heinrich Holland at Harvard University says that either the destructive effects of meteorite impacts bad definition. their Y chromosome. Genetic testing found only 1.5 per cent of Cohanim had the DNA insert, compared with 18.4 per cent of lay Jews, even among those living

> Why is it that obese girls tend to enter puberty earlier than average, and lean female ballet dancers much later? A team from the University of California at San Francisco reckons the answer is the hormone leptin, secreted by fat tissue. They injected leptin into pre-pubertal female mice, and found that they began reproducing before a control group. Conclusion: "that leptin acts as a signal triggering puberty, say the authors in last week's Science, "supporting the hypothesis that fat accumulation enhances maturation of the reproductive tract. So if you want to grow up, put on some weight.

THE INDEPENDENT CROSSWORD

27 Finest old Egyptian city's ahead of time (3.4)

DOWN Secures vote in favour of

Crime causes resentment

German breaks into empty

No longer charge person in clear (9) Ways for a British coloniser to be heard (5) Forward-looking Conserv-

ative one gets in oow (9)

View duck on the wing (7) Hesitation entering school

ground (7)
14 Put out after building

closed at one (9)

be given (9)

16 Military order treatment to

Furniture's well-inten-

be welcome? (7)
Write article on church

sacrament (7)
21 Bar prince from royal oc-casion (7)

23 Box hidden in niche stays

Northern saint (5)

Become upset about the

tioned, you might say (7) 18 Armed repsonse that may

28 Isn't any problem being moisture free (2,5)

dispute (7)

boat (5)

creased dramatically before then, or life was invented more than once, or our distant ancestors were truly hardy. Writing in Science, be prefers the first - reckoning that geological evidence points to a lanet that had already settled down to its present, "somewhat humdrum existence", offering the relatively stable conditions required to support life.

Happy birthday this year to complex numbers (devised in 1797), the sewing machine and modern flute (1847), the discovery of the mountains of the Moon (1647), of tobacco (1497, by a monk who sailed with Christopher Columbus), and of the electron (1897) by Joseph Jnhn Thomson at the Cavendish Laboratory in Cambridge. Expect celebrations of the latter centenary around March.

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